The CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

No. 2843. VOL. CXXI. AUGUST 4, 1934 *Annual Subscription (with Diary)* 20/-. *Single Copies* 9*d*.

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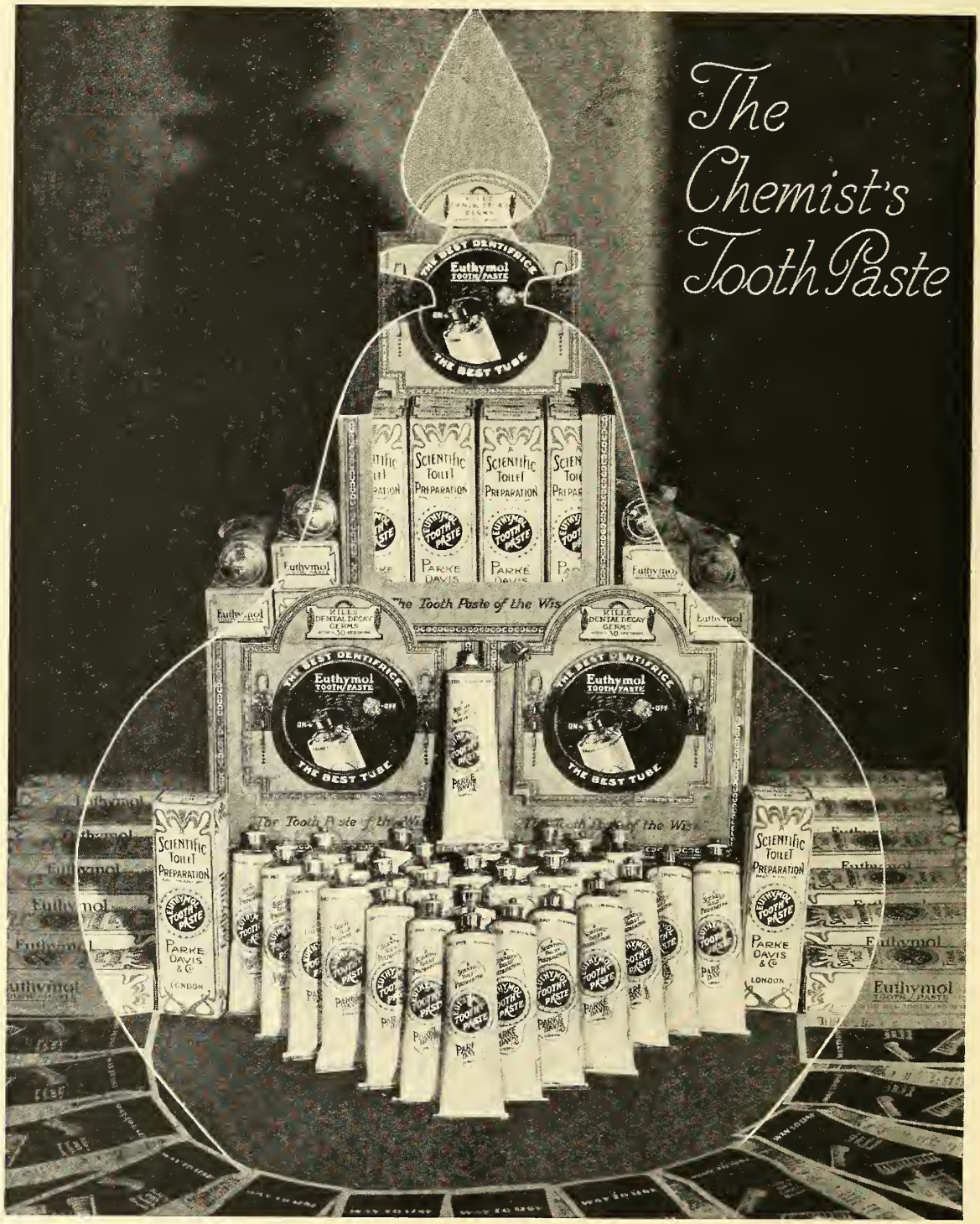


HELP to maintain price and profit stability by actively supporting Euthymol Tooth Paste. It provides a substantial margin of profit after full provision has been made for selling costs. All Euthymol advertising directs the public to buy from the chemist. Keep Euthymol well to the front of your window, give it a permanent place on your counter and recommend it whenever an occasion arises, and you will find that your Euthymol turnover will quickly increase.

SEND FOR TERMS TO: PARKE, DAVIS & CO., 50 BEAK STREET, LONDON, W.1

—— comes from readers of "The RADIO TIMES"

Four shillings out of every pound in your till have come from the pockets of the readers of "The Radio Times." There are approximately ten million families in Great Britain and "The Radio Times" influences two million of them! Do you wonder that manufacturers keep you closely informed of their advertising in such a powerful newspaper? And do you wonder it pays to display the goods advertised in it? All enquiries in connection with advertisements in "The Radio Times" should be addressed to the Advertisement Manager, The British Broadcasting Corporation, Broadcasting House, Portland Place, W.1. Telephone: Welbeck 4468.

It is just as important to have advance information about pleasure programmes as business programmes. You read "The Radio Times" yourself, of course?

RADIO TIMES

THE TWO-MILLION WEEKLY THAT'S READ DAILY

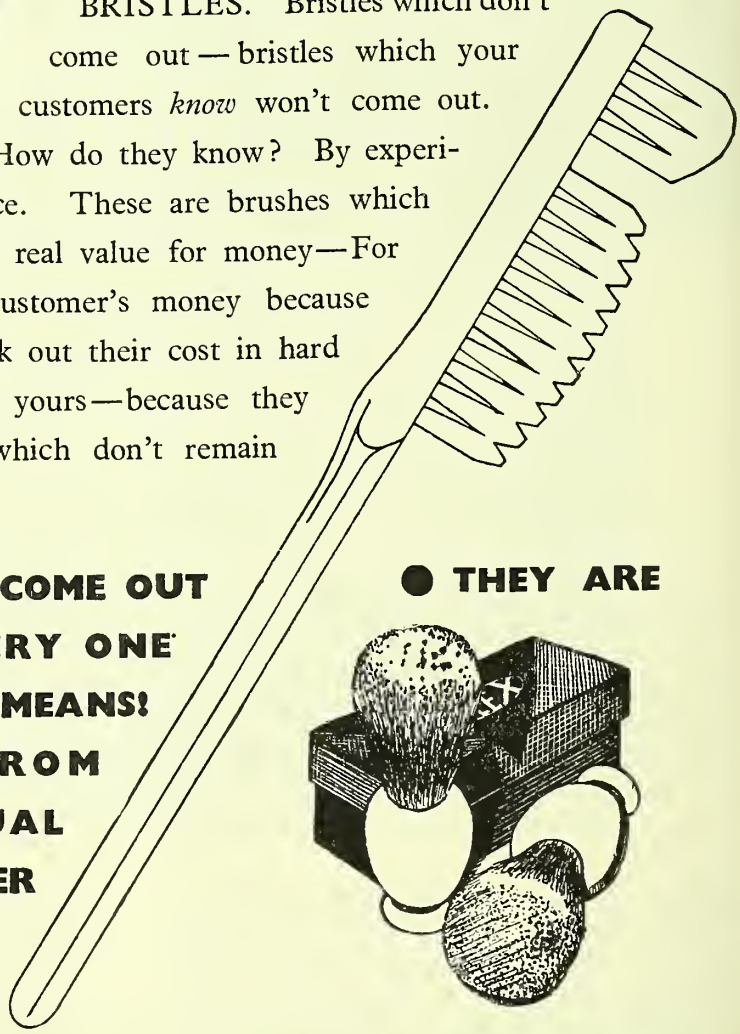
A A

BRISTLING WITH GOOD POINTS

HALEX!

A RANGE OF TOILET BRUSHES THAT SELL

Eight toothbrushes — A dental plate brush—two shaving brushes —What have they in common? BRISTLES. Bristles which don't come out — bristles which your customers *know* won't come out. How do they know? By experience. These are brushes which are a real value for money—For your customer's money because they work out their cost in hard wear. For yours—because they are brushes which don't remain on the shelf.



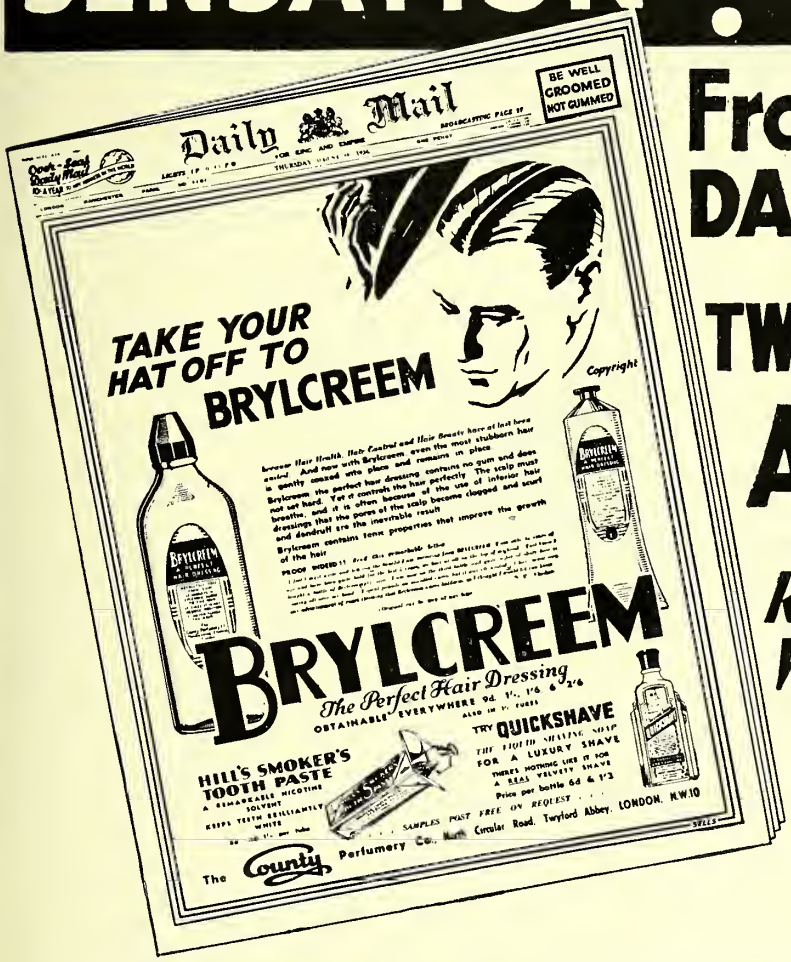
THE BRISTLES DON'T COME OUT
GOOD BRUSHES EVERY ONE
THAT'S WHAT HALEX MEANS!

ORDER FROM YOUR USUAL WHOLESALER

● **THEY ARE**

THE BRITISH XYLONITE CO. LIMITED • HALE END • E4

ANOTHER BRYLCREEM SENSATION !



Front Page DAILY MAIL IN TWO COLOURS ON Aug. 9th

Keep Brylcreem Well Displayed

Look to Your Stocks Especially Tubes.

In the early days of Brylcreem history we promised to support our friends in the trade who supported us by displaying Brylcreem. We have kept our word. Brylcreem has been continuously advertised in the press and by posters and road signs. We now have pleasure in announcing that we have booked the **whole front page of the DAILY MAIL in two colours for August 9th.** Note the special featuring of tubes. We predict a very large increase in public demand for this convenient pack. Look to your stocks. We are posting a copy of this to 40,000 members of the trade, and we ask everyone to use it in the centre of their window with a Brylcreem Display, thus securing the benefit of further increased sales. (If by any chance you have not received a copy by July 30th, please write to us for one.) **Furthermore, from August, our regular advertising budget will be doubled.** No other nationally-advertised Hair Cream yielding the same percentage of profit and so rigorously protected, sells so rapidly and in such large quantities as Brylcreem. Brylcreem is the biggest seller with the biggest advertising budget behind it. It pays you to display Brylcreem.

BRYLCREEM

The Perfect Hair Dressing

THE County PERFUMERY CO.

North Circular Road, Twyford Abbey, LONDON, N.W.10

"My trade in baby foods was negligible until I introduced OSTERMILK"

— says a Yorkshire Pharmacist

THE OSTERMILK SALES SCHEME CAN HELP YOU TOO

From pharmacists all over the country we are receiving praise of the enterprising sales scheme which is being run in connection with Ostermilk. From Lincolnshire we hear: "the distribution of samples and baby books by means of the Ostermilk postcards is the best sales method I know of." From Exeter: "they (the Ostermilk postcards) bring us more business than any other sales aid."

How about *your* baby food trade? You cannot hope to get it back—and with it the sale of all those numerous articles a mother and baby must have—unless you can supply baby food at an economical price.

Ostermilk is the means, as so many pharmacists have proved, of getting back baby food business taken from them by depression and the dairies.

Though Ostermilk is equal in quality to the highest priced baby food you have in stock, Ostermilk is the only food you can sell at Grade A milk price.

The sales scheme is simplicity itself. You simply hand a postcard to suitable mothers. That's all you do. Yet it sets in motion at the Ostermilk offices a highly efficient system, particulars of which we shall be pleased to send on request.

Ostermilk may be ordered through your usual wholesaler.

No. 1 modified for young babies. No. 2 for older babies.

2/- PER 1 lb. TIN

OSTERMILK

OSTERMILK, 56 OSNABURGH STREET, LONDON, N.W.1

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[*Continued overleaf.*

AN EVER-WIDENING CIRCLE...

The fact that the medical and dental professions regularly use this new and unique antiseptic in their own surgeries as well as recommend it to their patients, is a sure indication of its worth. Skilful propaganda steadily maintained means definite enquiries for

NALGO

THE ANTISEPTIC

It merits your attention and recommendation because it is absolutely safe.— definitely kills pain — stops swellings and quickly subdues inflammation.
There is a good margin of profit and you can obtain direct or from your usual wholesaler.

Packed in two sizes, 10½d. or 1/6d.

IF YOU WOULD LIKE A FREE SAMPLE AND SOME INTERESTING LITERATURE SEND A POSTCARD TO

HOUGH, HOSEASON & Co. LTD.
Manufacturing Chemists
MANCHESTER 3
TRADE AND EXPORT ENQUIRIES INVITED

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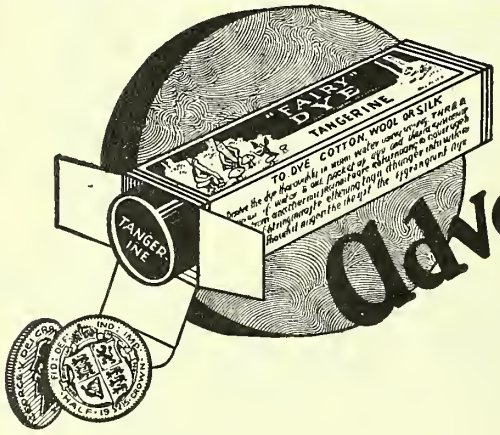


Advertised goods yield quick Profits

FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

Retailed at 2d. per tube—attractively packed. 31 shades and colours.

Be wise—stock

Fairy Dyes

LONDON DEPOT: 292 UPPER ST., ISLINGTON - N. 1

FAIRY DYES, LTD., GLASGOW, N.W.

BUSH

VANILLIN

"BUSH" 100%

MADE FROM
FINEST
CLOVE OIL

Particulars and prices on application

Manufactured by:

W. J. BUSH & CO. LIMITED

Factories and branches at Mitcham, Widnes, Grasse, Messina, New York, Montreal, Brisbane, Melbourne, Sydney, Johannesburg

ASH GROVE
HACKNEY LONDON E.8
Telephone Nos.
CLISSOLD - 0461-5
6035-6

We do
Believe it
Is our duty when an
Order reaches our desk
To realise that at the
Other end there's a man
Trying to sell, and that
We should spare no
Effort to produce printing
Which will help him to
Achieve his purpose

THOMAS **WAIDE** & SONS Ltd.

KIRKSTALL HILL, LEEDS, 5

In the belief of our ability to serve you, and to serve you really well, we hope you will not hesitate to communicate with us and allow us to help you with your Printing needs. Ideas, designs and economical production are always at your disposal.

Capitalise

this Summer Campaign by

KEEPING MOORLANDS WELL DISPLAYED

New advertising to suit the holiday season in the right holiday media—Daily Sketch, Daily Mirror, Illustrated Weeklies and Monthlies. Due to the cumulative effect of constant recommendation and consistent advertising, Moorlands are in greater demand than ever. Moreover no other 7½d. nationally advertised article sells in such quantity as Moorlands and yields anything approaching the same percentage of profit.

It pays to display Moorlands

THE PUBLIC WILL HAVE

MOORLAND BRAND INDIGESTION TABLETS

W. B. CARTWRIGHT, LTD., Rawdon, Leeds.

Get these excellent sales lines, with their vital appeal to every woman

Advertised in the Women's Magazines, Film & Beauty Papers

Nusheen

VITA COLOR HAIR RINSE

12 Shades, Golden Blonde to Black, including New Titian Glow for Brunettes.

Obtainable from May Roberts & Co. and Hovenden's, London, and Druggists' Sundriesmen. Wholesalers: Rosenwald Bros., 27 Noble Street, London, E.C.2

6D. for 2
RETAIL

Give service to your customers by stocking the world's most popular

HAIR NETS

"Tidy-Wear"

FRINGE OR CAP SHAPE

Nationally Advertised. Made of real Human Hair; all Natural Shades.

RETAIL PRICES FROM **4½D. each, 3 for 1/-**

Stocked by leading Wholesalers. Full Details from the Patentees and Manufacturers

ROSENWALD BROS.
27 NOBLE STREET, LONDON, E.C.2

CONFIDENCE AND COMPETENCE

One great advantage of Nuctone is that you can recommend and sell this hair-dye to your best customer with complete confidence. Once converted to Nuctone customers come back again and again as their hair grows. Stock and recommend Nuctone for a steady, safe and satisfying business.

ORDER THROUGH YOUR USUAL WHOLESALER.

Nuctone
SAFE FOR GREY HAIR

STEWART, GOODALL & DUNLOP LIMITED

The Gold Medal DOUBLE-SIX "Combless" Safety Razor

Awarded the Gold Medal at the International Exhibition of Inventions.

Sells at **1/-**

The revolutionary design of this safety razor is alone sufficient to ensure easy sales. A smooth guard replaces the old-fashioned comb. Cones hold the blade with all the rigidity of the old-time razor yet prevent hair and soap clogging the edge. All metal parts are neavily plated, handle is of multi-coloured bakelite.

DOUBLE-SIX BLADES
Millions already sold. They sell on sight. **1d.**

SOUPLEX RAZORS
Same principle as "Double-Six." Chromium Plated, packed Bakelite box with Souplex blade. **2/6**

SOUPLEX BLADES
One of the most popular of British blades. **2d.**

Get supplies from usual wholesaler or if any difficulty write direct to Souplex, Ltd., Morecambe.

OLIVE CATO

PRODUCTS - New 6d. Lines

including Powders, Creams, Lotions, Lipsticks, Eye Cosmetics, Rouge, etc., can be obtained from the Laboratory at 48/- per gross nett.

Post orders and inquiries to:

121a Hampstead Road, London, N.W.1

Telephone: Museum 8140

SAFETY RAZOR BLADES TO PRIVATE BRANDS

We are specialists in the production of Safety Razor Blades to Private Brands—Home or Export—Prices competitive—Special wrappers, cartons and labels designed to customers' ideas—In fact your Private Brand complete and ready for sale—Large output available from most modern plant.

CONSULT:

Dominion Steel Corp. Ltd.
"Fleet" Works, Queen's Rd., Sheffield, Eng.

TO HELP YOU

SELL MORE

Camilatone

AUGUST

ADVERTISING SCHEDULE

INCLUDES

DAILY MAIL 1,676,158 CIRCULATION

ELEVEN INCHES x THREE COLUMNS

DAILY SKETCH 1,012,603 CIRCULATION

HALF PAGE

DAILY MIRROR 851,000 CIRCULATION

TWO HALF PAGES

SUNDAY DISPATCH 937,807 CIRCULATION

TWO ELEVEN INCHES x ONE COLUMN

Plus REGULAR ADVERTISING IN 48 PRINCIPAL LOCALIZED NEWSPAPERS AND SELECTED PERIODICALS COVERING THE WHOLE OF GREAT BRITAIN

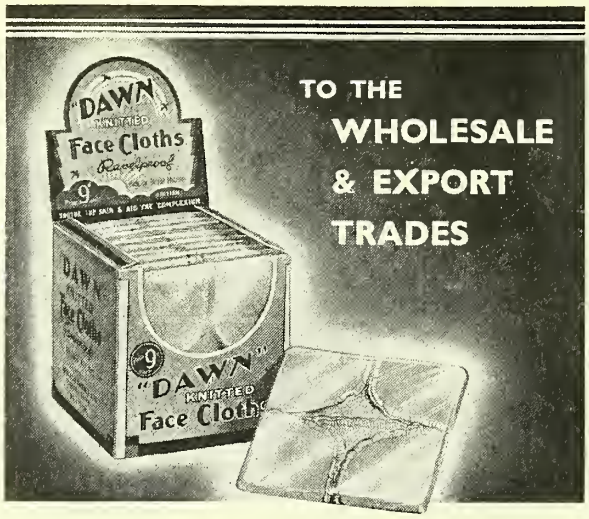
DISPLAY AND SELL THE SHAMPOO THAT HELPS YOU!

Camilatone

SHAMPOOS • RINSES • LUSTRSET

CAMILATONE LTD., WELSH HARP, HENDON, LONDON, N.W.9

3-31



May we send you samples and prices of

'DAWN'

RAVEL - PROOF

FACE CLOTHS

Knitted by Patented Process

They are ravel-proof, soft in texture and very durable. Dainty embroidery adds an attractive touch to a useful article.

There is a pleasing variety of colours. Attractive display outers and cellophane wrapping add to their distinctiveness and ensure speedy sales.

Retailing at 6d. and 9d. each, these face cloths are sound value, and a line you can safely recommend.

WHOLESALE AND EXPORT ONLY

Address enquiries to

Jacquesil Fabrics Ltd

105/107 PRINCESS STREET, MANCHESTER

or to London Agent; **G. H. BOLTON, 28 FALCON SQUARE, ALDERSGATE STREET, E.C.1**

STEADILY GROWING

The popularity of Rowland's Macassar Oil as a Hair Tonic and Dressing, is reflected in the steady increase in sales during the past year. Widely known and well advertised it attracts a high class and profitable trade.

FAMOUS SINCE 1793

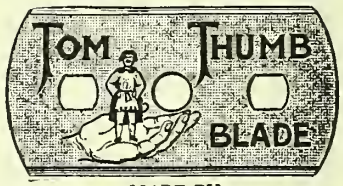
Rowland's Macassar Oil

A. ROWLAND & SONS, LTD.
22 LAYSTALL ST., ROSEBERY AVE., E.C.1.

HANG IT UP AND LET IT SELL ITSELF

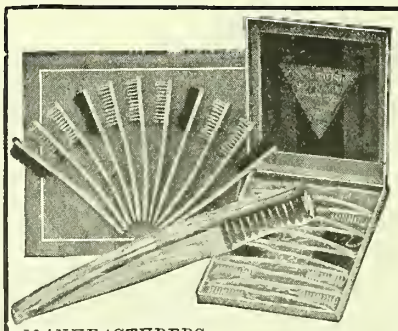
Supplied on cards or boxed. Show cards with every order.

1D. Each Retail



British Made

MADE BY
GEORGE IBBERSON & CO.
Razor Works, 146 West St., Sheffield



- THE -
"STATIC"
Reg. No. 525,323
TOOTH BRUSH
BONEHANDLES WHITE, UNBLEACHED, OR BLACK BRISTLES
Names free on 6 doz. lots.
6/6 per doz.
From all Wholesalers.

MANUFACTURERS:
W. R. SPEER & SON, 215 Dalston Lane, E.8.
EST. 100 YEARS.

THE "VALET" NATIONAL SALES DRIVE

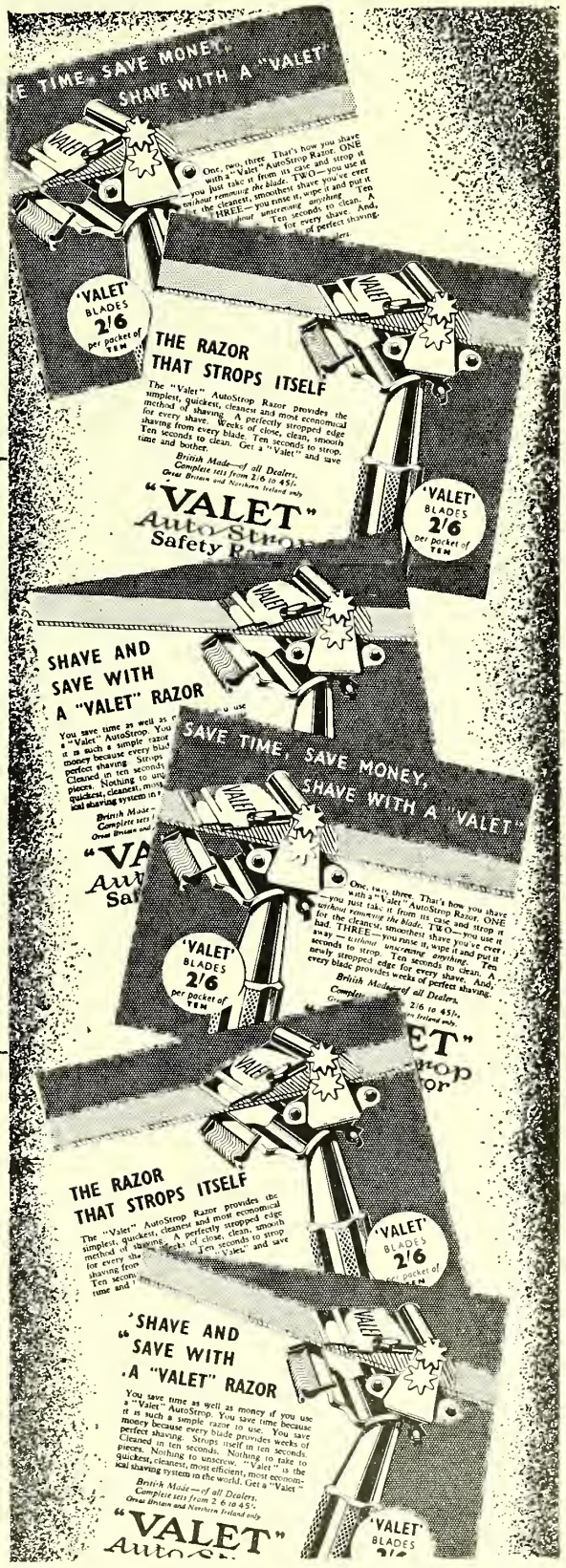
extended to

NOVEMBER!

Look at these "Valet" advertisements, look at the long list of National and Provincial papers in which they are now appearing—and will continue to appear—right to the end of November. Every week millions of newspaper readers are reminded of "Valet"—the world's finest Safety Razor. Every week more and more men are buying "Valet" Razors and Blades. The policy of extensive and consistent advertising ensures a consistent and growing demand. See that you reap the full benefit of this opportunity by arranging window and counter displays. Order through your usual wholesaler.

LIST OF NEWSPAPERS

- Punch
- Daily Express
- Daily Herald
- Daily Mail
- South Wales Echo
- Edinburgh Evening Dispatch
- Glasgow Evening News
- Manchester Daily Dispatch
- Birmingham Mail
- Liverpool Echo
- Newcastle Evening Chronicle
- YorkshireEveningPost
- Irish Independent
- Belfast Evening Tele.



BETTER... AND BRITISH

● AT LAST!

Hitherto weather conditions in this country have made it difficult to produce a first class rubber preventative. However, by constructing special air-controlled chambers in our new Slough factory we have at last succeeded in perfecting a **British** product which is far better than anything yet put on the market — a product which is, in fact, recommended by the **medical profession.** The quality is superior in every respect.

All SELKA Products are **TROPIC PROOF** and will keep in good condition for at least 3 years in any climate.

AT LAST you may sell BRITISH and still sell BEST

Samples and Prices on Request

SELKA RUBBER WORKS, Ltd.

Works: Trading Estate SLOUGH (Bucks)

Sales Offices: **109, Charlotte St., London, W.1.**

'Phone: Museum 9143

A MARKET that comprises EVERY MAN

- The "Litesome" Body Belt is designed for uinversal wear by every man. Although its object is the prevention of over-strain and the provision of muscular support, it is not a surgical appliance, nor is it for invalids alone. Rather was it designed specifically for sportsmen, athletes, and all active men. The market for it is unlimited.
- Rapid strides are being made, too, in supplying that market.
- Cash in on this - - one of the most profitable side-lines imaginable.
- Send for samples, prices, and terms of the "Litesome" Body Belt and Supporter.
- Supplied in two sizes, 28–34 and 34–40 inch waist. Retail at 4/6 each.

FRED HURTLEY, LTD.

Victoria Park Mills, Victoria Road, KEIGHLEY, YORKS

SUPPLIED TO CHEMISTS & DRUGGISTS ONLY

FINEST *Safeguard* QUALITY

(RUBBER GOODS)

FREE SAMPLES & PRICES ON APPLICATION

BURGE, WARREN & RIDGLEY, LTD., 91-92, GREAT SAFFRON HILL, LONDON E.C.1.

GRAIFIX — HYGIEN Reg. Pat.

first class hygienic rubber, antiseptic moist prepared, never gets dry. Especially made for tropical climates.

Samples and prices from

LABORATORIUM GRAICHEN, LEIPZIG-WIEDERITZSCH (GERMANY)

● **Winning new customers for over 40 years!**

MENE TOWELS

From your Wholesale House, please.

A superior quality hygiene and a great favourite with women. Also SU-CAN Soluble, for easy disposal.

ROBINSON & SONS LTD., CHESTERFIELD & LONDON

AYRTON SAUNDERS & CO., LTD.

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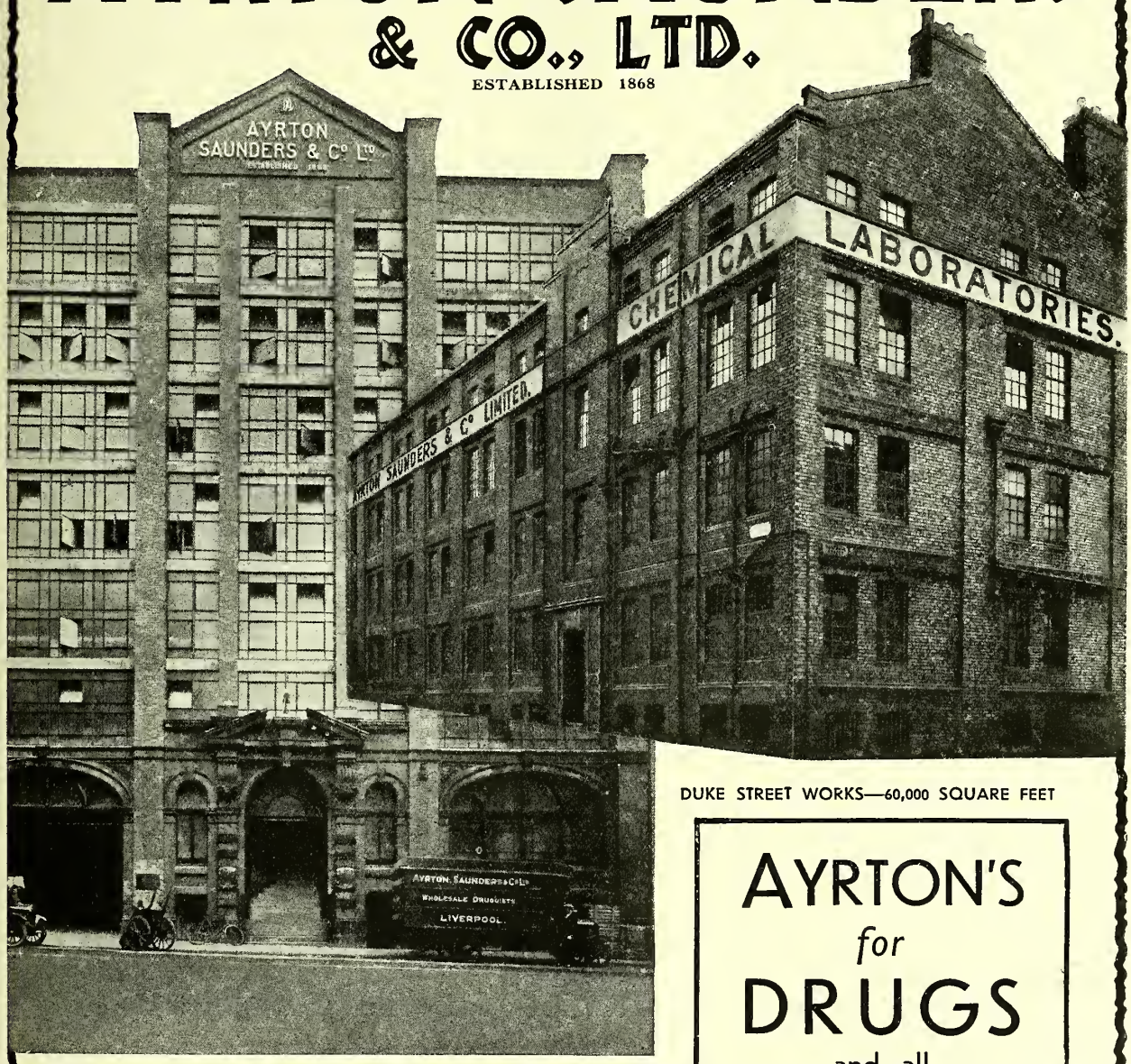

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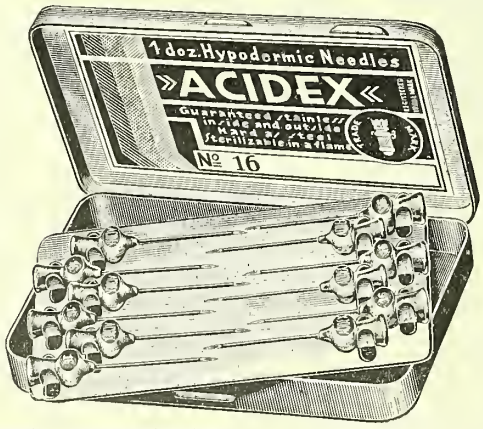

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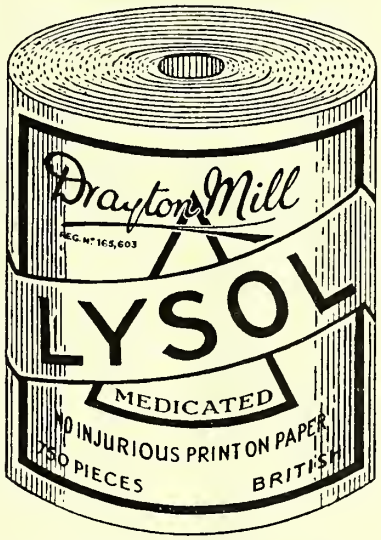

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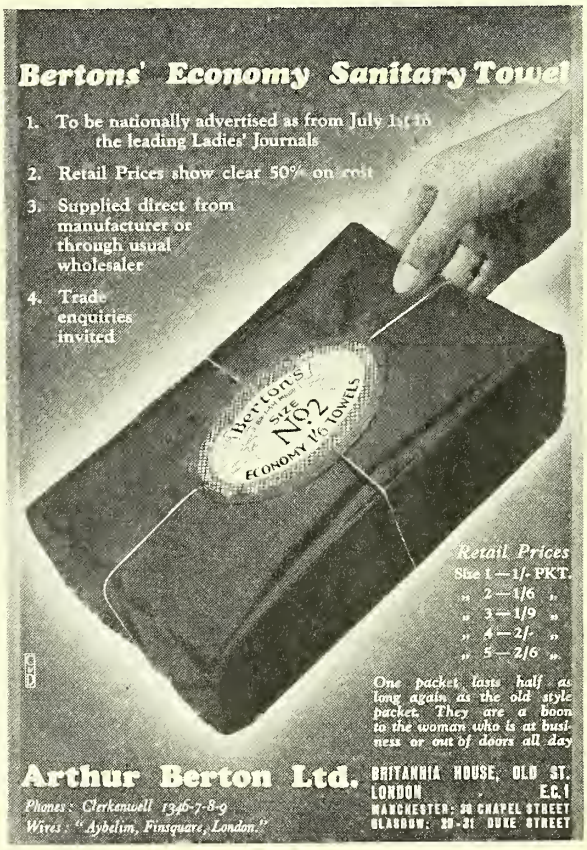

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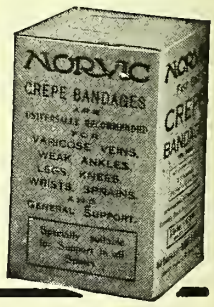

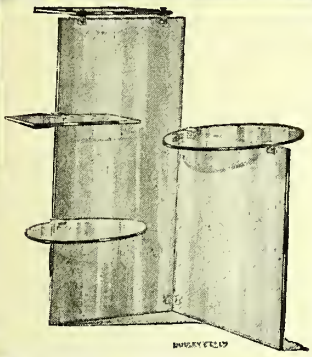

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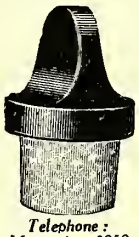

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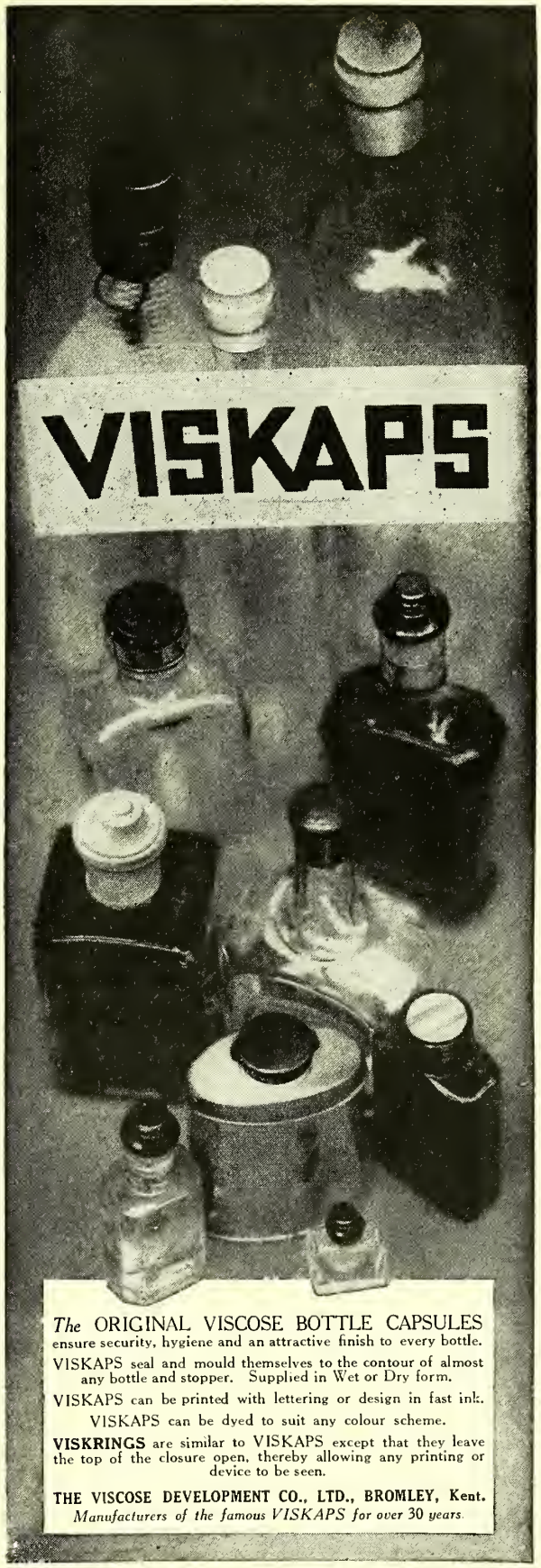

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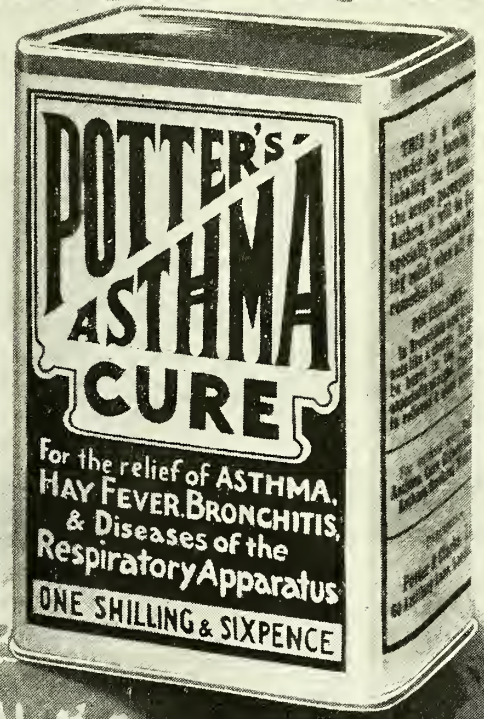

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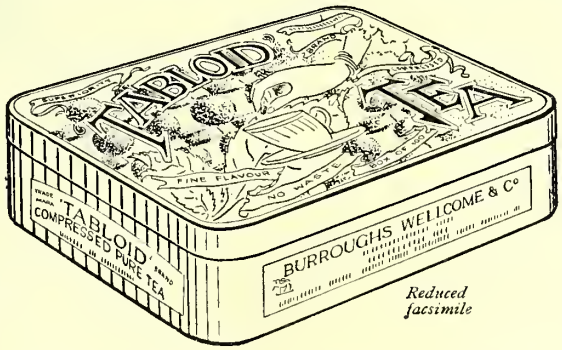

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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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News of the Week

Key Industry Duty

Representations have been made to the Board of Trade under Section 10 (5) of the Finance Act, 1926, regarding the following articles:—

Acidol (betain hydrochlorate); anæsthesine (ethyl *p*-amido benzoate); coryfin (ethyl glycollic ester of menthol); N-methyl-C-C cyclohexenyl methyl malonyl urea and its sodium salt; holocaine (di-ethoxy diphenyl ethenyl amidine hydrochloride); luminal (phenyl ethyl malonyl urea) and its sodium salt; melubrin (sodium phenyl dimethyl pyrazolon amino methane sulphonate); orthoform (methyl-*m*-amino-*p*-oxybenzoate); N-methyl ethyl phenyl malonyl urea; sajodin (calcium mono-iodo-behenate); salophen (salicylic acid ester of acetyl p. amidophenol); mercury sodium salicyl allyl amino *o*-acetate; 4-oxy-3-acetyl-amino phenyl arsinic acid; spirosal (mono glycol ester of salicylic acid); theocine (theophylline); theophylline sodium acetate; valyl (valeryl diethylamide); istizin (istin; 1:8 dioxyanthraquinone); 4-oxy-3-ethyl amino phenyl arsinic acid-*n*-methyl tetrahydro pyridine B-carboxylic acid methyl ester; hydroxy chlorphenol mercury sulphate; methyl anthranilate; B-naphthol ethyl ether and B-naphthol methyl ether (Nerolin).

Any communications should be addressed to the Principal Assistant Secretary, Industries and Manufactures Department, Board of Trade, Great George Street, London, S.W.1, within one month from July 27, quoting reference I.M. 1506/34. A similar representation has been made to the Board regarding cyclohexenyl ethyl malonyl urea, the date appended in this case being July 30.

Society of Apothecaries of London

At the examination held on July 23, 24, 25 and 26 the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:—

Allanson, W. A. M.
Appleton, C. M.
Armstrong, M. C.
Atchison, D. E.
Atkinson, R. S.
Bailey, M. E. V.
Barstow, H. J.
Beckett, N. J.
Bell, A. K.
Bird, V. A.
Bowdon, J. M.
Carter, B. M.
Christie, A. P.
Cook, B. K.
Davies, G. M.
Davies, L. L.
Dowse, O. E.
Eastland, K. J.
Evans, D. F.
Evans, D. M.
Gough, F. L.
Griffiths, B. A.
Grout, A. M.
Grundy, E.
Hackney, W.
Hales, W. M.
Hall, B. I.
Hall, M. D.
Hall, M. E. L.
Hammond, H. G.
Hardman, M.
Haslam, E. M.
Hillier, G.
Holditch, K. M.
James, D.
Jenkins, H. M.
Johnson, H. M.
Jones, C. L.
Knowles, E. I.
Lacey, B. D.
Longcroft, A. O.
McMillan, M. S.
Milner, B. P.
Moon, M. V.
Parsons, J. M.
Perkins, D.
Prosser, M.
Rabjohns, D. M.
Rainscourt-Jones, M. L.
Ramsden, M.
Randall, B. C.
Rees, M.
Richards, E. M.
Richardson, E. M. A.
Rider, Peggy
Rowse, D. J.
Ryan, M. M.
Samuel, P. M.
Smith, M. H.
Snaith, E.
Sugden, S.
Verity, M.
Ward, D. J.
Webster, C. A.
Weidenbacker, E. M.
Westcott, F. J.
Willis, D.
Wood, B. P.

Birmingham

Mr. T. W. Lowther, chemist and druggist, 131 Alcester Road, Moseley, has sold his business and has retired.

Birmingham Chamber of Commerce has received a legacy of £1,200 to provide a fund for the expenses of its presidents.

Miscellaneous

ADDITIONAL BANK HOLIDAY IN 1935.—It was announced by the acting Prime Minister (the Rt. Hon. Stanley Baldwin) in the House of Commons, on July 30, that Monday, May 6, 1935, will be a bank holiday and a public holiday throughout the United Kingdom, as part of the celebration of the twenty-fifth anniversary of the King's accession.

FIRE.—An outbreak of fire occurred on July 27 at the premises of Buckley-Bowker Tablet Co., Ltd., Parkfield Street and Berners Road, London, N.1. Some of the machine rooms were damaged, but the company has been able to acquire other premises to which the plant has been transferred. It is not anticipated that orders will be in any way delayed, as work is being carried on almost as usual.

CHRISTMAS SHOPPING BILL.—On July 30 a Bill, backed by ten members, was introduced into the House of Commons "to extend the facilities for shopping during the Christmas season" and for associated purposes. Clause 5 provides for additional payment for employees who work for an hour or more in excess of their daily period. It is not proposed to extend the operation of the Bill either to Scotland or to Northern Ireland.

SPIRITS (MEDICAL PURPOSES) REGULATIONS.—The Spirits (Medical Purposes) Regulations, 1934, dated July 13 (S. R. & O., 1934, No. 774), made by the Commissioners of Customs and Excise, are obtainable (price 2d.) at the Stationery Office. They take the place of the corresponding Regulations of the year 1932 (No. 1094). The Commissioners have power to modify the application of anything in the new Regulations.

LONDON SCHOOL OF ECONOMICS.—Last year the Department of Business Administration of the London School of Economics introduced, in collaboration with certain well-known business houses, a scheme for placing university graduates in posts on condition of their attending the Department's special course of business training. The success of the scheme has led to its extension during the coming academic year. Particulars may be obtained from Mr. Jules Menken (head of the Department), 11 Clement's Inn Passage, W.C.2.

IN THE COURTS.—In Bow County Court, London, on July 30, Solomon & Hollander, money-lenders, Harley Street, E., sued Barnett Emden, herbalist, Lens Road, Forest Gate, to recover the sum of £11 under a judgment obtained on October 17, 1932. The defendant said he was not in a position to offer very much at the moment. His business was that of a herbalist and he sold in the markets. His difficulty was that he had no licence, so he had to dodge the market superintendent. (Laughter.) If he was lucky he would make £4 10s. a week. Judge Thompson made an order for payment at 10s. a month.

THE NEW PHARMACY OF HEATONS (CHEMISTS), LTD., SOUTH SHORE, BLACKPOOL. THE WINDOWS ARE ANGLED TOWARDS THE DOOR; THE FITTINGS ARE STAYBRITE STEEL.

FATAL FALL.—Mr. John W. Black, described as a chemist's assistant, was killed recently by a fall at a house in Garfield Street, Bootle. It appeared that he was seeking apartments when he tripped on the landing and fell down thirteen steps, receiving a fracture of the skull. At the inquest held on July 26 police evidence was to the effect that the heel of Mr. Black's shoe might have caught in a loose piece of linoleum at the top of the stairs. The coroner, returning a verdict that death was due to an extensive fracture of the base of the skull, said there was not sufficient evidence to show the circumstances in which the man fell downstairs.

Scottish Notes

Brevities

August is becoming increasingly popular for chemists' holidays.

In some Scottish pharmacies the manufacture of galenicals is being carried on to such an extent that only "raw" materials are being ordered from wholesalers.

Mr. C. L. Stuart, chemist and druggist, Duke Street, Glasgow, is giving each week a wristlet watch for the best print developed and printed by him.

Miss E. B. Henderson, chemist and druggist, daughter of Mr. A. Henderson, chemist and druggist, Banchory, has been appointed dispenser at the Royal Hospital for Sick Children, Aberdeen.

Entries are invited for the annual competition for the Kinninmont Prize (a scholarship, value £10 10s., tenable at the Royal Technical College, Glasgow) which will be awarded on the result of an examination in chemistry, physics and botany. The competition is open to apprentices and assistants in Glasgow and the West of Scotland who have passed the Preliminary Scientific examination of the Pharmaceutical Society, and who propose to resume their studies for the Qualifying examination. All entries should be made before August 31. Any further information may be had from the honorary secretary, Mr. Harvey P. Arthur, 361 Victoria Road, Crosshill, Glasgow, S.2.

Irish Notes

Brevities

Mr. H. A. Naylor, L.P.S.I., has opened a medical hall at 24B King Street, Athlone.

W. H. Smith was sent for trial at the Cork Circuit Court, recently, on charges of burglary, including one at the premises of T. R. Lester, Ltd., chemists, Patrick Street.

Mr. William Hanna, J.P., once a well-known pharmacist in Bangor, co. Down, paid a visit to his Ulster friends a few days ago. Mr. Hanna is now resident in London.

A meeting of the Local Executive Committee in connection with the visit of the British Pharmaceutical Conference to Belfast in 1935 was held on July 27 in the offices of the Pharmaceutical Society of Northern Ireland, Belfast, Mr. Fred Storey in the chair. An informal discussion took place, and it was agreed to have another meeting in September at which various Committees and conveners would be appointed. Draft rules for the Committees were submitted and discussed.

Three of the recently issued Statutory Rules and Orders of the Irish Free State may be noted by pharmacists and houses supplying them. No. 158 imposes a Customs duty of 50 per cent. on tape (other than woven tape) used in place of twine, and on holders or parts of holders for such tape. No. 161 imposes a Customs duty of 5s. per gross on safety razor blades. No. 163 imposes a Customs duty of 30 per cent. on automatic machines, and on substantial parts of such machines, used for the sale of tobacco, matches or sweets (including chocolate). Each of these Rules and Orders is obtainable (price 1½d.) at 5 Nassau Street, Dublin, C2.

National Pharmaceutical Union

Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on July 24, Mr. S. J. Stearn in the chair.

ORGANISATION

The Executive received a report from the General Purposes Committee recommending a scheme for the reorganisation of the local organisations. The recommendations of the Committee were adopted, and authority was given to the Committee to take the necessary steps for bringing the scheme into operation.

The Executive adopted the recommendations of the General Purposes Committee that constituency meetings should be held during the winter session at the places suggested.

DRUG FUND

A letter was received from the Ministry of Health stating that it was proposed to continue to reserve 5 per cent. for the first five months of the year, pending final settlement. Advances on account of dispensing fees for the month of July would be made at the rate of 90 per cent.

CLEARING HOUSE FOR CHEMISTS' ACCOUNTS

The Secretary reported that of the number of replies already received to the *questionnaire* sent out, sufficient were in favour of the scheme to justify the commencement of the clearing house as soon as arrangement could be made with the wholesale houses.

C.D.A. Matters

The secretary reported that of the seventeen cases outstanding since the last meeting, four might be considered closed and settlements had been effected in three of the cases as follows:—Mixture wrongly dispensed; claim settled by payment of £2 2s. Car battery damaged by surgical spirits used in place of water; claim settled by payment of £3 8s. Injuries caused by sun-blind; claim settled by payment of £3 5s. 6d. Eleven new cases had arisen during the month, four of which had been settled as follows:—Film lost on member's premises; claim settled by payment of 5s. 9d. Coat burned on member's spirit lamp; claim settled by payment of 4s. 6d. Damage to omnibus by cycling errand-boy; claim settled by payment of £2 7s. 6d. Car damaged by cycling errand-boy; claim settled by payment of £1 15s.

Topical Reflections

By Xrayser

I Was Not Able

to attend the Leeds meeting of the Conference, but from talks I have had with several who were present I have formed the impression that this year's gathering was in many ways a very successful and notable one. The papers were practical and the discussions short but fruitful, the genial chairman leading off with some apt and telling remark that indicated how very thoroughly he had got a grip of the matter under discussion. The excursions and meetings for relaxation and social intercourse, too, left little to be desired. The dry and witty Yorkshire talk, so attractive in its rich vernacular to those of us who were born in the South, and above all the spirit of *bonhomie* and friendliness everywhere manifest, were admirable. At such times how easy it is to forget our divergences and to think only of those things upon which we agree; what a pity many of our business meetings are not carried on in a similar atmosphere! The photographs published in THE CHEMIST AND DRUGGIST of July 21 and 28 served a very useful purpose in giving those who did not attend some idea of the scenery and places of interest; they will also serve as souvenirs, for those who did attend, of a very happy time. My congratulations to the staff of the *C. & D.* for the excellent reports and comments.

The Retail Chemist

will not be unduly affected by the new regulations regarding spirit duty, on which you comment on p. 139; nevertheless he should read carefully Notice No. 42 (p. 82), and realise its implications. In selling spirituous preparations made from rebated spirit he must be careful that he is selling these for medical or scientific purposes only, and should be suspicious when large quantities of such preparations as strong tincture of ginger or spirit of chloroform are asked for. The former could be used for making a ginger cordial, the latter for making perfumes; similar precautions should be adopted if requests are received for supplies of spirituous goods that could be used in the confectionery or allied trades. The onus of proving that a given preparation is made from spirit for which a rebate has been allowed is on the user, but it is reasonable to assume that the seller (in this case the chemist) would not get off scot free. Chemists buying rebated spirituous preparations from manufacturers or wholesalers need have little fear that they, as users, are likely to be affected. Presumably there would be nothing to prevent them from using tincture of cantharides or tincture of jaborandi (both made from rebated spirit) in a hair lotion, provided that this was to a prescription, or that there was some indication on the label that this was for a medical purpose—as a hair wash for some complaint, for instance.

It is Not Easy

to define the pharmacist who is not functioning in the way which may be regarded as the orthodox one; and I agree with "L. G. M." (p. 160) that if we could define the practising pharmacist we might then discover what is his antithesis, the non-practising pharmacist. The Charter of 1843 rather implies that there are two classes of people concerned, (*a*) those who practise chemistry and pharmacy and (*b*) those who carry on the business of chemists and druggists. The Pharmacy Act of 1868, after stating in Section 1 that it shall be unlawful to "keep open shop for retailing, dispensing, or compounding poisons, or to assume or use the title," etc., defines, in Section 3, what is meant by "chemist and druggist" within the meaning of the Act. These are "persons who . . . have carried on . . . the business of a chemist and druggist, in the keeping of open shop for the compounding of the Prescriptions of duly qualified medical practitioners," etc. As the expression "pharmacist" now includes the chemist and druggist (1908 Act, Section 3 (3)), a practising pharmacist must be one who keeps "open shop," and, under the new Pharmacy and Poisons Act, oue who is registered as such and is, in addition, an authorised seller of poisons. Judged by this definition, a hospital pharmacist is not a practising pharmacist, which seems absurd. I cannot escape the conclusion that a practising pharmacist is one who keeps "open shop," or its equivalent; those who do not must be called, for want of a better name, non-practising pharmacists.

Legal Reports

Dangerous Drugs (Consolidation) Regulations.—At Huddersfield Police Court, on July 27, Kemco, Ltd., chemists, Trinity Street, were summoned for failure to keep the "dangerous" drugs cupboard locked at their shop in Market Place. The case was taken under Clause 6 of the Dangerous Drugs (Consolidation) Regulations (1928). It was stated that in the course of a routine visit to all local chemists' shops on July 3 an inspector found that the "dangerous" drugs cupboard at the shop mentioned was unlocked, the key being still in the lock. An assistant was in charge, the manager having gone away on holiday the previous day. In answer to questions, the assistant had stated that the manager was the only certified pharmacist employed at the shop. The manager, he told the inspector, had one key for the cupboard and the other was left in the shop for the use of the staff as required. Detective-Inspector Chadwick, prosecuting, stressed the seriousness of the key being left in the unlocked cupboard, not merely as a breach of the Regulations but because there was no qualified pharmacist in the shop at the time. The inspector agreed that the assistant in charge was an able man who had been in his present employment for thirty years. There had been no cause for complaint against the company previously, and other arrangements for dispensing had now been made. The defence was that the offence was quite inadvertent. The magistrate, in imposing a penalty of £5, stressed the importance of avoiding carelessness in regard to "dangerous" drugs.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

A. M. Cowen & Co. (Shrewsbury), Ltd. (P.C.).—Capital £500. Objects: To adopt an agreement with A. M. Cowen and W. A. Evans trading as A. M. Cowen & Co. of Shrewsbury, Salop, and to carry on the business of drysalters, chemists, druggists, etc.

Health & Cosmetic Products, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of wholesale and retail chemists, druggists, chemical and medical manufacturers and dealers, etc. R.O.: 44 Regency House, 1 Warwick Street, London, W.1.

S. Brannan & Sons, Ltd. (P.C.).—Capital £1,000. Objects: To acquire the business of clinical and chemical thermometer manufacturer now carried on by Sydney Brannan at 171 Cranston Road and 30 Devonshire Road, Forest Hill, London, S.E., as S. Brannan & Sons.

Wasserman Products, Ltd. (P.C.).—Capital £450. Objects: To acquire the registered trade mark "Histoplast" and to carry on the business of chemists, druggists, drysalters, oil and colour men, etc. Solicitors: Turner & Evans, 124 Chancery Lane, London, W.C.2.

Pemexo Laboratories, Ltd. (P.C.).—Capital £300. Objects: To carry on the business of manufacturers and dealers in patent medicines and proprietary articles, etc. The permanent directors are: Richard D. Pritchard, Caernarvon, Owen Jones, Llanfairfechan, and Isaac M. Hughes, Caernarvon.

Steri-Vita Products Co., Ltd. (P.C.).—Capital £1,000. Objects: To acquire the sole selling and manufacturing rights, British and foreign, of "Steri-Vita," a chemical compound for horticulture and agricultural purposes, and the sole right to use such name from W. H. Archer, to acquire trade mark No. 546,545 incorporating the word "Steri-Vita," and to carry on the business of druggists, chemists, importers or manufacturers of and dealers in salts, acids, chemicals, etc. Solicitor: John N. Hill, 88 Mosley Street, Manchester.

H. & D. Wickett, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of wholesale and retail chemists, druggists and pharmacists, dealers in toilet articles, photographers, dealers in photographic and cinematograph apparatus, etc. R.O.: 746 Lordship Lane, Wood Green, London, N.22.

Excelsior Glass Works, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers, importers and exporters of and dealers in vacuum flasks, vacuum ice and food containers, vacuum and hot water jugs, glass bottles, etc. R.O.: 12-14 Carlisle Road, Leyton, London, E.10.

Ramsden Sundries, Ltd. (P.C.).—Capital £300. Objects: To acquire the business of drysalters, chemists and sundriesmen carried on by Albert Hollinrake, Raymond Fielden and Arthur Walton at Top Street, Walsden, as "Ramsden Sundries." Solicitors: Wm. M. E. Sager, Penny Bank Chambers, Todmorden.

Moorland, Ltd. (P.C.).—Capital £1,100. Objects: To carry on the business of manufacturers of and dealers in appliances and apparatus for cosmetic and toilet use, cosmetic and toilet preparations, chemicals, drugs, perfumery, photographic apparatus, chemical requisites and apparel, etc. R.O.: Old Sorting Office, Melfort Road, Thornton Heath.

Nopara, Ltd. (P.C.).—Capital £5,000. Objects: To acquire a secret process or processes for use in connection with the manufacture of hair dyes, and to carry on the business of manufacturers and importers of and dealers in hair dyes, creams and lotions, toilet preparations, etc. Solicitors: Cardew Smith & Ross, 27 Ely Place, London, E.C.1.

International Serum Co., Ltd. (P.C.).—Capital £2,000. Objects: To acquire and take over in Great Britain, Northern Ireland, the Irish Free State, the British Dominions, Protectorates and Mandated Territories, the business heretofore carried on as "The I.S.C." Solicitors: Daynes, Keefe & Durrant, Opie House Chambers, Castle Meadow, Norwich.

Automatic Services (St. Helens), Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of automatic slot vending machine proprietors, traders by means of slot vending machines in confectionery, cigars, cigarettes, fruit, nuts, handkerchiefs, photographic, pharmaceutical and toilet requisites, etc. R.O.: 25 Hardshaw Street, St. Helens, Lancs.

Anglo-Italian Sulphur Corporation, Ltd.—Registered July 26. Capital £45,000. Objects: To acquire sulphur mines and quarries, or sulphur mining rights and concessions in the Island of Nisiro or elsewhere; to prepare for market sulphur ore and other products, etc. The first directors are Sir J. MacKenna, Evelyn T. Cobbett, N. D. Grundy and C. E. Coffino.

Incorporated Society of Registered Naturopaths, Ltd.—Registered in Edinburgh, July 25, as a company limited by guarantee, without share capital, with fifty members. Objects: To register fully trained and qualified naturopaths, nature cure practitioners and others engaged in the practice or teaching of nature cure, etc. R.O.: 11 Drumsheugh Gardens, Edinburgh.

A. C. Cargill, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of ophthalmic opticians, manufacturers of and wholesale and retail dealers in optical, nautical and scientific instruments and supplies, jewellers, manufacturing chemists, lens and camera makers, etc. The directors are A. C. Cargill, 122 Sandgate Road, Folkestone, J. H. Pembroke and Florence Cargill.

Herpex Drug Co., Ltd. (P.C.).—Capital £1,000. Objects: To acquire the formula of a skin cure known as "Herpex," a tooth powder and face cream, and any other similar formulas, together with the sole right to the name "Herpex," to carry on the business of chemists and druggists, etc., and to adopt an agreement with H. T. Bullock. Solicitor: F. H. Edwards, 76 Cheapside, London, E.C.2.

ITSPRING MINERAL WATERS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of aerated and mineral water manufacturers, chemists, gas makers, syrup makers, etc. Solicitor: C. T. Nightingale, 8 North David Street, Edinburgh.

NATIONAL DRUG INDUSTRIES, LTD.—The report submitted at the annual meeting held in London on July 26 states that, in spite of the continued depression in prices, the volume of business has steadily increased. The net profit for the year ended March 31 last is £7,211, an increase of £1,935 over the net profit of the previous thirteen months. After charging loan interest and leases depreciation reserve, a balance of £4,603 is available. It is proposed to pay the dividend on the 6 per cent. preference shares to March 31 (£1,879), leaving £2,724 to be carried forward. Since the date of accounts the sum of £3,000 has been repaid from bank loan. The directors regret the resignation of Mr. H. Vincent Dodd as chairman, and have appointed Mr. W. J. Beardsley, managing director, in his place.

Private Arrangements

Mrs. Ethel Shepherd, trading as W. A. Wood, 7 Gordon Road, Hunslet, Leeds, "druggist, etc." At the meeting of the creditors a statement of affairs was submitted which showed ranking liabilities £512. After allowing for preferential claims, the net assets were £81. It was stated that the debtor took over the business on the death of her husband in March 1927. During the last two or three years efforts had been made to sell the business, but it had not been possible to obtain a reasonable offer. A resolution was passed agreeing to accept a composition of 5s. in the £. The following are among the creditors:—Beechams Pills, Ltd., £11; Goodall, Backhouse & Co., Ltd., £101; Hirst, Brooke & Hirst, Ltd., £78.

Evan Thomas Card, 360 Chepstow Road, Newport, Mon., chemist. A meeting of creditors was held recently at Newport. The statement of affairs showed liabilities £565, of which £524 was due to unsecured creditors. After allowing £22 for preferential claims, the net assets were £116. It was stated that the debtor commenced business in September 1929 with a capital of £317, and during the period to March 1931 introduced a further £118 10s. by the sale of property. The position was attributed to the drop in the turnover in 1933 and 1934; to heavy medical expenses through the illness of the debtor's wife and children; and to being compelled to trade on a cash basis during the last nine months. No offer of a composition could be made. The creditors decided to confirm the deed of assignment executed to Mr. A. Gait as trustee, with a committee of inspection. The following are among the creditors:—The British Drug Houses, Ltd., £16; Newbery & Phillips, Ltd., £233; Wright, Layman & Umney, Ltd., £13.

Business Changes

MR. H. M. LOVELL, chemist and druggist, has opened a pharmacy at 38 St. James Street, Weston-super-Mare.

MR. PETER E. MCDONALD, chemist and druggist, has commenced business at 186 Seaward Street, Kinning Park, Glasgow.

MR. F. A. JACKSON, chemist and druggist, has taken over the business of Mr. E. Birss, chemist and druggist, 23 Wendover Road, Aylesbury.

MR. CHARLES G. MITTEN, chemist and druggist, has acquired the business of Mr. D. L. Daily, chemist and druggist, at Church Street, Midhurst.

MR. D. A. SMITH, chemist and druggist, has taken over The Crossways Pharmacy, Churt, Surrey, which was formerly carried on by Mr. P. E. Penbery.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 29, 1933		June 29, 1934		July 31, 1934	
	s.	d.	s.	d.	s.	d.
Allen & Hanburys, 7% Prefd. Ord....	25	0	27	6	27	6
Amalg. Dental Co., 8% Prefd. Ord....	22	9	21	9	21	6
,, ,, Deferred £1 ...	11	6	9	6	9	3
Ayrton, Saunders & Co., 7½% Pref....	11	3	16	6	16	6
Beechams Pills, Deferred 5s. shares...	—		—		19	0
Benger's Food, Ord.	42	0	42	0	42	0
Benzol & By Products cum. part. Pref.	2	6	2	9	2	9
Berger (Lewis) & Sons, Ord. ...	35	6	40	0	40	6
Blundell Spence & Co.	14	3	18	3	18	9
Boake (A.), Roberts & Co., 5% Pref.	16	9	17	6	21	3
Boots Pure Drug, Ord. 5s. shares ...	39	6	43	3	45	0
Boots Pure Drug, 7% "A" Prefd. Ord.	29	9	29	9	30	0
Boots Cash Chemists(S.),6% "A" Pref.	27	3	27	6	27	9
Borax Consold., Dfd. Ord.	12	3	13	6	12	6
Bovril, 6% Pref.	27	3	25	6	25	9
,, Ord.	26	3	26	9	27	3
,, Defd.	27	6	17	0	17	0
British Cyanides, Ord., 2s. shares ...	3	0	3	0	2	10½
British Drug Houses, The, Ord. ...	22	3	20	0	20	6
British Glues & Chemicals, 4s. Ord....	3	9	3	6	3	6
British Oil and Cake Mills, Prefd. Ord.	42	0	39	9	39	6
British Oxygen, Ord....	47	3	67	6	68	6
British Photo. Indus., 6% Cum. Pref.	5	0	—		3	9
Burt, Boulton & Haywood, Ord. ...	15	3	21	3	20	0
Bush (W. J.), & Co., 5% Pref. £5 ...	101	3	105	0	105	0
Callard, Stewart & Watt, Ord. ...	7	0	6	3	6	3
Chance & Hunt,4% 1st Mort.Deb.£100	£85		—		—	
Cooper, McDougall & Robertson, Ord.	30	0	34	0	32	6
Crosfield (Joseph) & Sons, 6½% Pref.	27	0	29	6	29	6
Dubarry Perfumery, Ord. 1s. ...	3	6	5	0	5	0
,, ,, 7½% Pref. ...	21	3	22	6	22	9
Eastman Kodak Com. (no nom. value)	$79		$97		$97	
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	1	9	3	6	3	6
,, ,, ,, 6% cum. part. Pref.	4	4½	5	6	5	0
Field (J. C. & J.), Ord.	27	3	25	0	22	6
Galloway (P. H.), Ord. 2s.	3	0	3	6	3	6
,, ,, 7½% Cum. Pref. ...	25	6	25	9	26	0
Genatosan, Ltd., 1s.	5	4½	6	0	5	4½
Gossage (William), 6½% Pref. ...	28	6	28	0	28	6
Grout & Co., Ord.	20	0	21	0	16	3
Hodders, Ord. 1s.	0	10½	0	6	0	9
Ilford, Ltd., Ord.	26	3	28	0	27	6
,, 6% Pref.	26	0	23	9	23	9
Imperial Chemical, 7% Pref. ...	30	1½	31	3	32	9
,, ,, Ord.	32	3	36	0	35	0
,, ,, Defd. 10s. ...	9	0	9	0	8	4½
Intern. Sponge Importers, 6% Pref....	10	0	17	6	17	6
Kent (G. B.) & Sons, 5½% Pref. ...	6	3	5	9	3	0
Knight (John), 25% Prefd. Ord. ...	96	3	92	6	90	0
Laporte (B.) & Co., Ltd., Ord. ...	62	6	81	3	87	6
Lever Bros., Ltd., 7% Pref.... ...	28	1½	29	9	30	0
,, ,, 8% Pref.... ...	29	6	30	9	30	4½
,, ,, 20% Prfd. Ord. £1	63	0	67	9	67	6
Lewis & Burrows, Ord.	27	6	29	0	29	9
,, ,, 6% Pref.	22	0	21	9	21	9
Liebig's Ext. of Meat, Ord. £5 ...	£11	7/8	£11	3/4	£10	7/8
Mellin's Food, 6% Pref.	1	3	2	0	2	0
Nathan (Joseph) & Co., 7% Pref. ...	19	3	20	6	21	0
,, ,, ,, 8% Prefd. Ord.	5	3	8	6	9	0
Pears (A. & F.), 5% Deb. £100 ...	£104		£109		£109	
Phosferine (Ashton & Parsons), 8% cum. partic. Ord.	21	0	22	9	23	0
Reckitt & Sons, Ord....	105	0	104	6	105	0
Salt Union, Ord.	38	9	38	6	38	6
Sangers, Ord. 5s.	17	0	19	6	19	0
"Sanitas," The, Co., 9% Pref. ...	31	3	31	9	32	0
Sanitas Trust, 10% partic. Pref. ...	31	6	33	6	30	0
Smith (Stephen) & Co., Ord. 5s. ...	10	9	11	3	10	6
Spratt's Patent, Ord....	63	0	67	6	67	0
Stevenson & Howell, 6½% Cum. Pref.	25	0	24	6	24	6
Taylors Cash Chemists (Lon.),1s.Defd.	0	9	0	7	0	6¾
Taylors (Cash Chemists) Trust, Pref. Ord.	9	0	10	0	8	6
,, ,, ,, 1s. Defd.	0	9	0	9½	0	7½
United Glass Bottle Man., 6% Mt. Deb. Stk., £100	£106		£104		£105	
Veno Drug Co., 8% Pref.	24	3	25	0	25	0
Virol, Ltd., Ord.	28	9	26	3	26	3
,, 7% Pref....	26	6	25	0	25	0
White (A. J.), Ltd., Ord. 10s. ...	17	6	18	0	18	6
White (Timothy), 7½% Prefd. Ord....	27	3	28	6	28	3
,, ,, 5s. Defd. Ord. ...	—		19	3	20	0
Wright, Layman & Umney (1932), 7% cum. Pref.	25	0	24	0	24	0
Yorkshire Indigo & Col. Dyers, 5s. Ord.	0	9	0	9	0	9

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council was held on July 27 in the Society's rooms, 73 University Street, Belfast, the vice-president (Mr. William Martin) in the chair. There were present also Messrs. Fred Storey, R. I. Edwards, J. F. Grimes, Walter Tate, Samuel Gibson, A. C. McBride, J. E. Connor, and Dr. Fielden. Mr. D. L. Kirkpatrick (secretary) was in attendance. Apologies for absence were received from Messrs. W. S. Taylor, G. W. T. McCann, H. F. Moore, S. S. Badger, Professor Small, and Mr. John Maxwell (president).

RECIPROCITY WITH NEW ZEALAND

A letter was read from the Pharmacy Board of New Zealand enclosing a copy of an Order in Council empowering the Board to accept the Northern Ireland Society's certificate of registration under a reciprocity agreement for registration in New Zealand. "My Board is glad," wrote the registrar, "to have this matter completed, and views with satisfaction the pleasant relations that exist between our two Societies."

MR. EDWARDS said it was a most satisfactory letter.

CORRESPONDENCE

The Fairchild scholarship and prizes trustees wrote thanking the Society for the facilities accorded at the recent examinations in the Belfast centre.

The Ministry of Home Affairs wrote acknowledging receipt of the Council's letter regarding the withdrawal of the regulations dealing with articles of apprenticeship, the contents of which had been noted. The Ministry also wrote acknowledging receipt of the report of the Board of Examiners in connection with the summer examinations.

NEW LICENSEES

The Ministry of Home Affairs forwarded a list showing the names of pharmaceutical chemists and others licensed from the completion of the 1934 Register up to June 30. The names are as follows:—Rowe, D. J.; Taggart, William; Doig, William & Co., Ltd.; Shillington, Joseph; McBirney, R. & Co., Ltd.; Hannawins Medical Hall, Ltd.; Macartney, William Henry; Fullerton, John Dawson. A licence was issued to one registered druggist, R. S. Adair, during the same period.

THE SECRETARY said there were four new, three transfers, and one change of address.

SALE OF POISONS

The following letter was read from the Ministry of Home Affairs:—

"I am directed by the Minister of Home Affairs to acknowledge receipt of your letter of the 19th instant, enclosing correspondence with the Ulster Retail Drug Trade Association, and to point out that under the existing law there is no power to prevent preparations which do not contain poison from being sold by persons other than chemists and druggists. The sale of horticultural and agricultural poisons is governed by the provisions of Section 2 of the Poisons and Pharmacy Act, 1908, as amended by the Poisons and Pharmacy Act (N.I.), 1925, but the particulars contained in Mr. Connor's letter in regard to the transactions which he suggests constitute offences would not appear to furnish evidence upon which any prosecution could be founded.

"With regard to the matter generally, your Council is, no doubt, aware of the terms of the recent English Pharmacy and Poisons Act, which provides, *inter alia*, for the classification of poisons into poisons which may only be sold by persons other than chemists, etc., and poisons which may be sold by persons other than chemists, etc., duly licensed by a local authority. Before considering the question of assimilating the system in Northern Ireland to that in England, or of varying the existing classification of poisons and the conditions governing sale, the Ministry is awaiting the outcome of the deliberations of the Poisons Board set up under the English Act."

MR. STOREY said he did not think the Ministry would introduce anything without consulting them. Some of the advantages, the English people said, were advantages that they in Northern Ireland had already. If it was proposed to give outsiders leave to sell certain articles it should be opposed to the utmost limit. He did not believe that the Government would do anything in a hasty way.

THE SECRETARY said that the report of the Poisons Board would be out shortly.

MR. CONNOR did not think they were on parallel lines with England in the matter of pharmacy. They should have legislation of their own. The sale of horticultural poisons should be tightened up. It was very serious for country chemists, who also suffered from unqualified people selling sheep dips. It did not affect the city so much.

MR. GIBSON said that in England the feeling was they would get more good out of the Act than pharmacists in Northern Ireland had thought they would.

MR. STOREY said the Government had cancelled various licences granted to unqualified persons.

MR. CONNOR complained of English houses selling goods direct to the farmer.

PHARMACEUTICAL PRELIMINARY EXAMINATION

Three candidates were returned as having passed the Pharmaceutical Preliminary examination of Queen's University, Belfast—W. J. Elder, Samuel McMurray, and Thomas Magowan.

BOARD OF EXAMINERS' REPORTS

The reports of the Board of Examiners on the recent examinations, the results of which have already been published, were read.

Dr. Fielden and Mr. Theo. Harper, reporting on pharmacy, said that the standard attained reached the usual average. There still remained the tendency on the part of candidates to be far too prolix in their answering in both sections of the written paper. That habit introduced an amount of extraneous matter having no direct bearing on the questions asked, and in many cases vitiated the answers given.

Professor Small, in his report, stated that in Part I botany the average standard was low, especially in practical work, but the deficiencies were general and no points had arisen for special consideration. In Part II pharmacognosy the average standard was distinctly higher, mainly on account of the more direct answers given to the questions. The answers were more systematic, and, in consequence, shorter, while the drawings of diagnostic features showed great improvement.

The report of Mr. K. G. Emeleus on experimental physics stated that the general standard of the work, although not very high, was in the majority of cases sufficient to obtain the candidates pass marks. There were no outstandingly good candidates, but again very few who were really bad. In the theory paper the answering was spread uniformly over all the questions and called for no special comment. The work done in the practical examination should, he thought, have been better, both questions being quite easy. In the optical question no candidate had appreciated the accuracy which could be obtained with even the simple apparatus provided, and a number showed that they had no idea of the order of magnitude of the refractive index of glass. In the heat question, whilst the actual manipulation was invariably done well, and a good account given of the work, very few candidates plotted the correction against the thermometer reading, most plotting the reading of one thermometer against that of the other.

Dr. H. Graham, in his report on chemistry, in the Final Part I—theory—said that the candidates had still considerable leeway to make up in that part of the work, approximately three-fifths failing to come up to the pass standard. As to the practical, in qualitative analysis there was an improvement on previous examinations. In quantitative work the results had been disappointing. In the Final, Part II—theory—the knowledge of organic chemistry had shown signs of improvement, but the candidates had not been well acquainted with the methods of assay of the British Pharmacopœia. Taking the practical work all round it had been fairly good, and seven candidates had been very good.

Mr. F. G. Walsh, in his report on business methods, said that the answering of the candidates all over had been some-

what better than at previous examinations, and two candidates —Ernest Albert Poots and Victor Grattan—had been particularly good.

MR. GIBSON said the reports showed that the candidates were either going in too young or were not being taught as they might be.

MR. MARTIN: Perhaps they don't apply themselves.

MR. CONNOR: Perhaps the standards are too high.

MR. EDWARDS said that improvements were reported in some of the subjects.

It was agreed that the certificates of seventeen new licentiates be sealed.

BRITISH PHARMACEUTICAL CONFERENCE

Reporting on the Leeds Conference, MR. STOREY said they had invited the Conference to Belfast next year. The invitation was very cordially accepted. The Conference had had good weather and was a great success, and he believed it was intended to make the Belfast Conference a big affair. The Ulster Tourist Development Association would co-operate in giving all the assistance they could to delegates who wished to see the country. He would not be surprised if there were 500 or 600 people over. It meant hard work, but they were in a position to do all they could to make the Conference a success.

MR. TATE said it was his first Conference and he enjoyed every moment of it. He enjoyed it even more than the Test Match. Everyone was friendly and they were treated very well. He looked forward to the Belfast Conference.

MR. MARTIN said they had had a good time. They were very well received everywhere they went.

GIFTS TO THE SOCIETY

The thanks of the Society were ordered to be sent to the president for the gift of a statuette of an apothecary, and to Mr. F. T. Smith, J.P. (Antrim) for an ancient mortar and ginger grinding mortar.

It was announced that the president was better and hoped to be able to get away in a few days for a change.

Presentation to Miss Eileen Kirkpatrick

An interesting ceremony took place at the close of this meeting of the Council, when Miss Eileen Kirkpatrick, assistant secretary of the Society, was presented with a handsome solid silver salver, inscribed with the name of each member of the Council, on the occasion of her forthcoming marriage. Miss Kirkpatrick, who is a daughter of Mr. David L. Kirkpatrick, has been identified with the Society since its formation.

The presentation was made by the VICE-PRESIDENT (Mr. William Martin), who conveyed the good wishes of the Council to Miss Kirkpatrick on her forthcoming wedding.

MR. A. C. MCBRIDE said that they had all a great regard for Miss Kirkpatrick. They never asked her in vain for information regarding any point, and she had discharged her work in a most efficient manner.

MR. SAMUEL GIBSON said that Miss Kirkpatrick had been most helpful to him in his capacity as treasurer. She was willing and obliging, and they would all be very sorry to lose her indeed.

MISS KIRKPATRICK, in reply, thanked the Council for their generous gift, which had touched her very greatly. Their kindness and generosity were very much appreciated by her and almost left her speechless. That was the third occasion on which she had been present at a Council meeting, and it bore out the old saying, "the third time is the charm." She had been eight and a half years with the Society, which had developed enormously in that time, and in place, first of one room and then of two rooms, it had now that splendid headquarters at 73 University Street as its home. She hoped to be able to give all the assistance she could at the forthcoming Conference, and she would be sorry indeed to leave work which had been very congenial to her.

Sporting Events

Manchester and District Chemists' Golfing Society held their annual competition for the Griffiths Hughes prize at Ringway Golf Club on July 18. The leading scores were:—

J. W. Aves	72	Tied
G. R. Potts	72	
R. Demaine	74	
F. D. Gee	75	
P. W. Stuart	77	

The captain, Mr. E. S. Bury, expressed the thanks of the members to the donors of the prize and Mr. W. Coulter responded.

The sports meeting of W. J. Bush & Co., Ltd., London, E.8, took place on the Leyton Football Ground, Osborne Road, E.10, on July 28. This meeting, which has become an increasingly popular annual fixture, is organised entirely by the employees and is particularly happy in combining an exceptionally high standard of athletic performance with a number of popular events which contribute greatly to the amusement and entertainment of the members of the firm, who, with their families and friends, make up a large enthusiastic attendance. On this occasion pleasantly fine weather conditions contributed to the success of the very enjoyable afternoon. In the regrettable absence through illness of the Baroness de Bush the meeting was fortunate in the presence of Mrs. Brinsley Bush, wife of one of the joint general managers, who kindly distributed the prizes.

NEVER PROPHESY UNLESS——.—A former manufacturer of hair restorer admitted at Blackpool County Court, recently, that although he had sold only about six bottles his labels said the restorer was sold by "all the leading chemists in the British Isles." Judge Peel: Purely prophetic, I suppose. Debtor: Yes, sir.

Summer Outings

Ipswich Chemists at Long Melford

A party of members of the Ipswich and Suffolk Branch of the Pharmaceutical Society and their friends visited on July 25 the drug farms of Stafford Allen & Sons, Ltd., Long Melford. The visitors were met at the works by Mr. Deane, who first conducted them round the various drug plantations, and then over the works, where they saw taking place the distillation of oils, the preparation of extracts and the drying of herbs. When

the tour ended, Mr. Piper, chairman of the Branch, thanked Mr. Deane and asked him to convey to the company the appreciation of the members for the opportunity given them for visiting the works and for spending a most interesting afternoon. Then the party adjourned to the Black Lion for tea, after which a visit was paid to the magnificent parish church. The return journey was made through Lavenham, one of the loveliest villages in England.

The Late M. François Coty

THE announcement, in our issue of July 28 (p. 137), of the death of M. François Coty, who passed away after a brief illness at his residence at Louveciennes, near Paris, on July 25, at the age of sixty, has been received with deep regret by a wide circle in this country and elsewhere. François Coty was born at Ajaccio, the native town of Napoleon Buonaparte. The remarkable group of Coty factories near Paris was described in THE CHEMIST AND DRUGGIST, 1925, II, 860-61 ; and rather more than a year later we gave details of his career (*C. & D.*, 1927, I, 433-34), in an article based on a conversation with Mr. C. C. Valli, managing director of Coty (England), Ltd. Several of the following paragraphs are taken, with slight compression, from that article.

A Romantic Career

Early in the present century, Monsieur Coty, a young man full of hopes and ambition and an ardent patriot, realised, as secretary to a leading politician, what a man could do for the good of his country with sufficient means to be independent ; so he concluded that the only thing to do was to set about making a fortune. He therefore left his secretarial position and turned to business. In Paris, he reflected, there is always an opportunity for anybody providing beautiful goods for women ; he turned first to an article that was at that time the rage, ostrich feathers.

M. FRANÇOIS COTY

A young chemist lived in the "quartier" in whose shop Monsieur Coty used to spend many leisure hours after his day's work, talking about things seen and to be realised. One night he entered his friend's shop and found him busy with all kinds of bottles and containers on a little table. He asked his friend, in a jocular way, what he was concocting ; the chemist replied that the hairdresser next door had asked him to prepare an eau de Cologne for use in his salon, and that he was therefore trying to fix up an eau de Cologne according to the formula of the Codex. Monsieur Coty smelt the eau de Cologne but did not like it ; he looked at the bottles in which the eau de Cologne was going to be put, and disliked the bottles ; in a flash a big idea came to him. Why not create a distinctive eau de Cologne and other perfumes, something that nobody else had been able to create, and then put these perfumes in such attractive bottles as to make a woman proud of having them on her table? This idea developed in Monsieur Coty's mind, during a long walk which he took alone that night for the purpose of solving this problem. He went back to the shop and told his friend about his project. For several weeks they considered and planned, and finally they were ready to make a start ; but the young chemist had to ask his family's permission before investing money in this new venture. The severe old parents disapproved of this scheme, and the chemist had no alternative but to decline.

For nearly two years after this incident Monsieur Coty spent most of his time in studying everything there was to be learnt about perfumes, the art of blending them and the art of securing the best raw materials. Then the Coty business started in one room, in the Rue de la Boetie. Soon came the Rose Jacqueminot, the first-born. One day Monsieur Coty decided that he must go himself and make an offer to one of the greatest Paris stores He presented himself to the buyer of the perfumery department, and handed him a bottle of this new perfume. The man sniffed at it: "Mon Dieu! another Rose! I have no time for you ; there are enough roses on the market. Why did you not start your career with something more original? Au revoir!" But, two days after, a summons came from the buyer of the great "magasin": would Monsieur Coty go at once to him for an important communication? At the second interview with the buyer Monsieur Coty, in reply to a demand for the exclusive sale of this perfume, said: "Very well, I will make you a similar perfume with your name on, but I shall not call it Le Rose Jacqueminot." His proposition was accepted, and with his initial order of 500 bottles he rushed round to prepare them. When they were ready he thought that, to make sure that everything should go smoothly, he would deliver them himself; the 500 bottles were loaded into a "charrette" and were carried into the perfumery department of the shop. During the operation two or three bottles escaped from the hands of the "garçon" and were smashed on the floor. Expressions of anger and annoyance followed from the department's chief ; that, however, was the incident to which to this day people (with certain inaccuracies) attribute the cause of Monsieur Coty's great success ; and in a way it was, because everybody in the shop began to sniff and the 500 bottles were sold in two or three days.

In order to achieve his ideal, "perfect quality and perfect presentation," no effort or expense was spared ; and Monsieur Coty gradually became a self-contained manufacturer. To-day all the bottles, boxes or metal cases which contain the perfumes, powders and toilet waters are made in the company's own works—all the labels and wrappers are produced in their own establishment, one of the most up-to-date in France.

The English House

Near the end of 1923 Monsieur Coty came to London and realised that there was an extensive market for his products here ; he decided to start a branch to deal with this country. Mr. Valli took charge of this organisation, which opened at Walmer House, Regent Street, W.1. The business then was conducted on one floor. After about a year's trading, Mr. Valli realised that the premises were too small to cope with the development, and went over to Paris to ask Monsieur Coty's advice on a change of premises.

Monsieur Coty agreed to this, but said that if different offices were to be found they must be in the form of a house in London which he would name "Coty House" ; and this must be something charming, "different," and must have an air of romance about it, but above all it had to be situated where "in your dark and gloomy London 'Coty House' gets all the sunshine and brilliance which it is possible to obtain." It happened that the managing director (Mr. Valli) had lunched some years before in Stratford Place. He was struck by the beauty of this corner of London, especially because he had read that when Stratford Place was designed, it was meant to be a small reproduction of Place Vendôme, so much so that up to twenty years ago, he was told, there was a column very similar to the one in Place Vendôme. The outcome was that No. 3 Stratford Place was bought.

The opening of Coty House marked a big stride forward in the English business. In September 1931, when England went off the gold standard, Monsieur Coty was again approached as to the action to be taken ; characteristically he said: "The first thing to do is not to change our prices, but make whatever sacrifice is necessary. We must immediately build a factory ; this factory must be placed in the best possible position and must be built in such a way as to be worthy of our house and Great Britain."

Of late years Monsieur Coty's other interests prevented him from devoting very much of his time to his perfumery business ; but he had already trained many directors and managers to take charge of his various companies and departments, so that everything might continue on the lines and according to the ideals he had laid down.

An Old Yorkshire Pharmacy

THE pharmacy of Walton & Co., in the picturesque Yorkshire town of Richmond, has a long and interesting history. It was founded in 1802 by Robert Ward, from whom it was purchased about thirty years later by Mr. George Robert Walton: it may thus be described as being in the possession of the same family for at least a century.

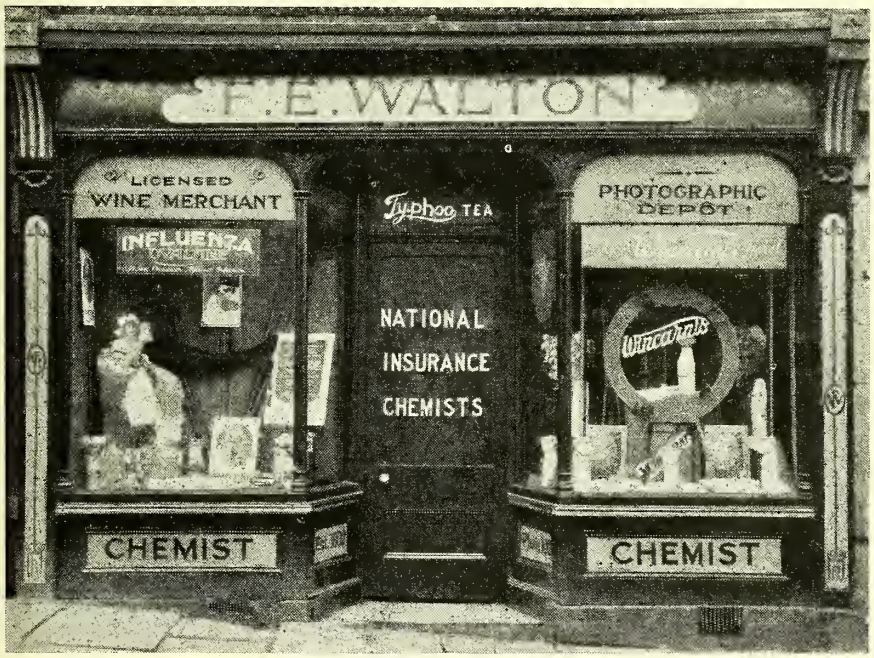
Mr. G. R. Walton was a native of Richmond, but before acquiring this business had gained varied experience in Dublin. In due course he took into partnership his brother-in-law, Mr. G. A. Bridges, and the firm became known as Walton & Co. The surrounding district had its share of large country houses—lighted, of course, with nothing better than oil lamps and candles—and the business of Walton & Co. prospered by reason of its extensive connection. A machine for the manufacture of aerated waters was installed and was kept working at full pressure: photography was also introduced with excellent results long before dry plates were known commercially.

In addition, lavender, roses and other flowers were grown for making the firm's lavender water, pot-pourri and other articles of perfumery, in which a considerable export trade was done. Mr. G. R. Walton was a great reader and a great lover of poetry; and he attained still further renown as an authority on fishing, making his own flies and visiting the River Swale at dawn. He passed away in the year 1893.

MR. F. E. WALTON

Of his two sons the elder, Mr. Edward Bridges Walton, Ph.C., was for a time with Barron, Harveys & Co., Giltspur Street, London, E.C., before joining his father at Richmond. He continued the business after his father's death till a few years ago. The younger son, Mr. Frederick George Walton, chemist and druggist, eventually went to Darlington, where he established a flourishing pharmacy. The two daughters of Mr. G. R. Walton took charge of the pot-pourri and sachets at an early date, and made a great reputation for these products. The elder of these ladies died recently, at the age of eighty-three, in the room in which she was born.

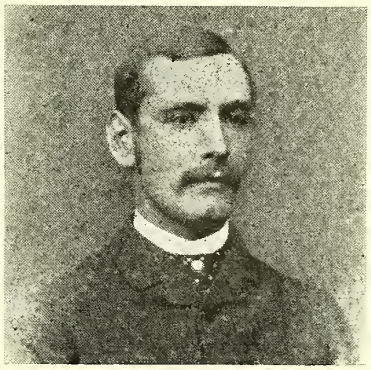
The present proprietor of the Richmond pharmacy is Mr. Frederick Edward Walton, chemist and druggist, son of Mr. F. G. Walton. After being with his father for a time he had four years' service in the recent war, and then resumed his studies, qualifying in 1920. About eight years ago he became associated with the business, taking it over on the death of Mr. E. B. Walton. He is a clever conjurer, and is in great request at entertainments in the district. It is pleasant to know that the gift of cultivating hobbies successfully, which distinguished the grandfather, has descended to the grandson.



THE REFRONTED PHARMACY

MR. E. B. WALTON, Ph.C.

MR. G R. WALTON



MR. F G. WALTON

Future Legislative Possibilities for Drugs

By H. E. Monk, B.Sc., F.I.C., Public Analyst for the City of Salford

IN the regular spate of Government publications there appeared in April this year a modest document, the "Report of the Departmental Committee on the Composition and Description of Food" (Cmd. 4564: 3d.). It is doubtful if this report (*C. & D.*, 1934, I, 560) attracted much attention from pharmacists; yet it, and considerations arising out of it, do merit a little thought upon their part, and pharmaceutical organisations particularly will find that an interesting subject is here for discussion, consideration, and perhaps for action.

The Committee whose report this is was appointed "To consider whether it is desirable that the law relating to the composition and description of articles of food should be altered so as to enable definitions or standards to be prescribed or declarations of composition to be required for articles of food other than liquid milk; and if so to recommend what alterations of the law are required." Within the limits imposed upon it the Committee, under the chairmanship of Sir Frederick Willis, worked rapidly and well, and the report sets out its conclusions, which were unanimous, concisely and simply. Some of these will be considered in greater detail presently.

The first thing for the pharmacist to realise is that the Committee *has* recommended alterations in the existing law relating to foods, and that the Act concerned is the Food and Drugs (Adulteration) Act. Supposing Parliament gives effect to these recommendations in the not very distant future, he may feel that drugs are becoming the Cinderella of the Food and Drugs Act. While foods, the ugly sisters, are to have new dresses with all the latest fashions for the ball Cinderella can stay at home in her old rags. Let us have a look at these new fashions, and perhaps, while her sisters are out, we may try some of them on Cinderella and see how she would look in them.

Principal Recommendations

The following are the most important conclusions and recommendations of the Committee:—

"Our answer to the question which we were asked to report upon is that it is desirable that the law relating to the composition and description of articles of food should be altered so as to enable definitions or standards to be prescribed, or declarations of composition to be required for articles of food other than liquid milk. . . . At the same time we wish to state that in our opinion the case for the extension of standards or definitions to all articles of food is not made out. We consider that in a large number of cases the housewife to-day gets an article of the nature, substance and quality she demands and that she would not be benefited by a multitude of standards, definitions or declarations of composition. We are satisfied, however, that in some cases standards or declarations of composition or definitions of some kind are necessary for the protection of the consumer. We think that the main thing to be aimed at is that the public when buying an important article of food should know what they are getting . . . . The guiding consideration should be that as far as possible the same term should always mean the same thing."

That, briefly, is the main recommendation. The following conclusion is of direct interest to the pharmacist:—"We may record, however, that almost all our witnesses (except those concerned only with specific articles) have urged that foods specially offered for infants and invalids should bear on the package containing them a declaration of their contents. We think it important in this case that the purchasers of such foods should know what they contain."

The pharmacist will certainly be interested in the observations of the Committee upon advertisement and labels and also on the general subject of warranty. Regarding advertisement and labels they say:—

"A number of our witnesses have complained of the misleading nature of some food advertisements and food labels. We are satisfied that these complaints are well founded. The Food Manufacturers' Federation, Patent and Proprietary Foods Section, put the following recommendation before us:—

'It is our opinion that any attempt to control by statute statements about the composition of food will be stultified unless it is legally enacted that, for purposes of evidence as to the nature, quality and substance demanded of a food specific claims made in advertisements shall be deemed to be part of the package label. Though it is theoretically true that the purchaser is expected to examine the label of a product before he completes its purchase, it is a matter of common knowledge that the majority of purchasers do not do so. The description on which they have been induced to buy the product is in a large number of cases only that contained in the advertisements, and we hold very strongly that progress in the standardisation and description of food will be seriously hampered until this matter is dealt with.'

"We agree with the principle of this recommendation."

Fixing the Responsibility

It must not be forgotten that it was the subject of foodstuffs which was in the minds of the Committee in making these recommendations as well as in what follows.

"Warranty. (Protection of retailer in regard to pre-packed articles.) The view was generally taken by our witnesses that further safeguards are required for the protection of the retailer of pre-packed articles. Whether or not he has a pleadable warranty in respect of these articles, or has any knowledge of their nature, he is liable to prosecution with consequent risk of damage to his business from publicity, should they be reported by the public analyst as not genuine or up to standard, or to infringe any labelling requirements. As a rule the retailer of the pre-packed article does not know its exact composition, and provided he exercises reasonable discrimination in purchasing his stock, and stores it under suitable conditions, and for a reasonable time, he has discharged his main obligations towards his customers. In the event of any pre-packed article of food becoming the subject of a declaration of composition, a standard or a definition, the position of the retailer, in respect of the sale of that article, would undoubtedly become more onerous if the general framework of the law and the general practice of administration remained unaltered.

"Manufacturers and retailers alike have stated in evidence that the primary responsibility under the law should be transferred to the packer of such articles, that is, the originator of the package, and that the retailer, where he is not the packer, should be absolved from proceedings if he can show that he sold the article in the same condition as he received it and had no reason to believe that it was not in accordance with legal requirements and that he took all necessary precautions to protect it during storage. We agree with this view. We further consider that, so far as any article of food which may be the subject of a legal standard or definition is concerned, the invoice referring to that article and any label affixed thereto should be equivalent to a warranty that the article delivered may lawfully be sold under the name used. The manufacturer or packer, for his part, should have the option of fixing a time limit beyond which he would not be

held to be responsible for the contents of the package, thus safeguarding himself against the sale of deteriorated articles for the condition of which he was not to blame."

This excellent piece of sound common sense is certain to meet with the approval of pharmacists, who, no less than grocers, are to-day largely, if not mainly, concerned with the sale of pre-packed articles. If these recommendations are carried into effect they should be made to apply to drugs as well as to foods. One difficulty in the administration of the Food and Drugs (Adulteration) Act in so far as it concerns drugs is the omission of the word "drug" in Section 16 (2). This omission was almost certainly an oversight when this section, which gives power to take samples upon delivery by the wholesaler (at the retailers' premises), was framed. In the case of foodstuffs if an offence is committed which appears to be not the fault of the retailer but of the wholesaler or manufacturer, the local authority is enabled through this section to proceed direct against the real offender without bringing the retailer into court; but in the case of drugs there is no alternative but to proceed against the retailer, leaving that unfortunate individual to take what remedy he can against the person from whom he obtained the goods. Sometimes he has no remedy and sometimes he has a warranty; and even in the latter case many retailers have found the law relating to warranties a most unreliable thing, what seemed to be a perfectly nice, wholesome and reliable guarantee often turning out to be utterly valueless when it came to establishing it in court. The pronouncement of the Departmental Committee upon the subject of labelling and advertisement would also appear to be sound common sense applying equally to drugs as to foods.

Since amendment of the Food and Drugs (Adulteration) Act is probable, it therefore behoves pharmacists to consider the whole question and to be in a position to take any necessary action. This appears to be a matter eminently suited for the various organised bodies of pharmacists to take up. The first step is to decide whether they would be satisfied if the Departmental Committee's recommendations regarding foodstuffs were carried into effect leaving unchanged those parts of the Act dealing with drugs. If (as the writer of this article hopes and believes) they would not be satisfied, the second step is to formulate their requirements and to make these known in the proper official quarters. These requirements cannot, of course, be foretold; but it is suggested that the legislation affecting drugs would be materially improved if the Departmental Committee's recommendations as to advertisement, labelling, warranty and powers to make standards for foods were made equally applicable to drugs and if, at the same time, Section 16 (2) of the Food and Drugs (Adulteration) Act were amended so that samples of drugs as well as of foodstuffs could be taken "on delivery."

Can I Qualify?

By "Young Chemist"

MANY assistants must have asked themselves from time to time whether they can qualify. Having recently qualified, I can perhaps help them to make up their minds. I passed my Preliminary examination while at school, and was apprenticed for three years at the age of sixteen, knowing nothing about botany, chemistry or physics. During that time I attended night classes after a full day's work in the shop, sometimes losing an hour or more of a lecture.

Books can often be bought second-hand either from old students or a bookstall. At the beginning of term I decided I had only average intelligence and must work longer hours than some of the brighter ones, though less than the dull ones. I also decided that botany would be my hardest subject, and so concentrated on it, with the result it became the easiest and the most interesting; in fact, I found myself neglecting the others. I used to "swot" every night from seven till nine but no longer; unlike some of my friends I did a lot at the week-end, but had every Saturday night off to blow away the cobwebs. My most convenient place for taking the written part was Leeds; the examination was spread over a day and a half, although the actual time was only nine hours. Edinburgh was where I went for the practical part, and a finer city I never wish to see. The questions were not too difficult for anybody who knew their work, yet never easy. The wording of one's notification of success is rather curious, and is to the effect that one need not attend again for the Preliminary Scientific. I have a vivid memory of an older student, who had failed once or twice, telling us, while we were waiting outside the building, how to pass.

The nine months' course for the second part begins in the autumn and entails more work than the first; but that should not deter the student. It is here that a good apprenticeship stands one in good stead. I had dispensed thousands of private prescriptions but had made few galenicals, and was very ignorant of the simplest crude drugs. I adopted the same plan as in the first part, deciding that materia medica would be more difficult than anything else, so I devoted a lot of time to it and did not open my B.P. until after Christmas. During the long holidays between term I used to take a period off during which I never touched my books, but had to dig in again long before opening day; my parents saw to that. If the last day's work is finished early, the suspense of waiting two hours or more is terrible—but worth it if the results are, as mine were, successful.

Expenses

My readers will have been wondering how much all this costs, so I am including an account of my expenses. I had to travel about thirty miles a day by train, with twenty minutes' walk at each end, a blessing in disguise. Only actual payments are included, because everyone can estimate the others better for himself; such things as lodgings, loss of wages and clothing have to be taken into account. Text-books are quite a big item; some of mine were borrowed, others were bought second-hand, and the remainder were new, so I was let off lightly in that respect.

PART 1

	£	s.
Six months' fees	21	0
Railway contracts	9	12
Books and apparatus	1	17
Examination fees	6	6
Hotel expenses and rail fares	3	17
	£42	12

PART 2

	£	s.
Nine months' fees	31	10
Railway contracts	13	7
Books, apparatus, etc.	3	10
Examination fees	12	12
Hotel expenses and rail fares	3	4
	£64	3

I consider these expenses fairly low, and it will be difficult for most people, I think, to improve upon them. It is sometimes said that qualification is a poor investment. That may be so in a strictly financial sense. One can be as easily unemployed qualified as unqualified; however, one should look at it from a wider view-point, considering the feeling of security and achievement gained. The dullest may pass by working hard enough, while the cleverest may slip through over-confidence.

Trade Notes

NUSHEEN hair rinse is manufactured by Rosenwald Brothers, 27 Noble Street, London, E.C.2.

NEW toilet products which sell at a popular price form the subject of an advertisement in this issue by Olive Cato, 121A Hampstead Road, London, N.W.1.

ELECTRIC and daylight signs are being supplied for their Morfi products by Herbert Fromm, Aldwych House, London, W.C.2. Propelling pencils, showcards, and mirrors are also obtainable.

HARRIET HUBBARD AYER, LTD., 130 Regent Street, London, W.1, are placing on the market a seasonable beauty-aid in the form of New Tan Complexion Balm.

This preparation is packed in the manner shown in the illustration. It is stated to produce a perfect sun-bronze shade, to preserve a matt appearance for a considerable period, and to be easily applied.

THE Ministry of Agriculture and Fisheries has issued as Bulletin No. 79 a "Report on Fungus, Bacterial and other Diseases of Crops in England and Wales, 1928-32." (H.M. Stationery Office, Kingsway, London, W.C.2. 2s., postage extra.)

THE remarkable advances which have taken place in veterinary science in recent years are clearly shown at the display of serological products on the stand of Burroughs Wellcome & Co., London, E.C., at the Veterinary Exhibition held in connection with the National Veterinary Medical Association's Congress at Edinburgh from July 30 to August 4.

BOB MARTIN, LTD., Southport, have published a new and enlarged edition of their booklet "Bob Martin on Dogs." Large numbers of this publication, which contains information on how to keep dogs healthy and the treatment of their ailments, have been distributed by chemists. Any of our readers desirous of receiving a supply of the new edition should send a request to the company.

ENGLISH LAVENDER FLOWERS.—Perks & Llewellyn, lavender cultivators and distillers, High Street, Hitchin, have followed up their remarks on the lavender crop (*C. & D.*, July 14, p. 57) by forwarding for our inspection a large bunch of fine English lavender flowers. Examination shows the spikes to be well developed, healthy, and the florets of good colour, so that a normal yield of oil may be expected.

DAWN FACE CLOTHS.—Jacquesil Fabrics, Ltd., 105 Princess Street, Manchester, are the makers of Dawn face cloths. Knitted by a patent process, these are ravel-proof, soft in texture, available in a variety of colours, and attractively packed. The London agent is Mr. G. H. Bolton, 28 Falcon Square, Aldersgate Street, E.C.1.

THE BRITISH DRUG HOUSES LTD., Graham Street, City Road, London, N.1, have sent us a copy of the third and enlarged edition of "The B.D.H. Book of Reagents for 'Spot' Tests and Delicate Analysis," which contains particulars of the uses of sixty reagents. The large demand for the two earlier editions of the book is indicative of the interest taken in the technique of this relatively new branch of analytical chemistry. Copies of the book can be obtained at 2s. 6d. each, postage extra. The company is also issuing a pamphlet describing the B.D.H. "Spot" test outfit, which has been introduced to meet a demand for a collection of the principal organic reagents used for the detection of various metallic ions and acid radicles by "spot" test methods, together with the accessories required for their use.

AN ADJUSTMENT IN SELLING POLICY.—It is a familiar enough process in merchandising to create a new product and launch it with all the impetus that can be generated from the goodwill of an existing product. The newcomer may find favour with a new type of customer, possibly less exigent than that which the manufacturer has courted in the past. To serve both equally becomes his legitimate aspiration, but such different methods of approach and ministration are called for that a point may well be reached when it is wisdom to consider whether a separate marketing organisation should be created. Some such consideration has evidently influenced J. & E. Atkinson Ltd., Southwark Park Road, London, S.E., in creating a subsidiary company, Proprietary Perfumes, Ltd., for the handling of their less expensive lines. The new enterprise takes over the selling rights of Californian Poppy, Black Tulip and Au Revoir perfumes. Thus it will develop the "popular" side of a considerable business, backed by a vigorous advertising campaign conceived on bolder lines than has hitherto been judged expedient. Messrs. Atkinson will thus be free to concentrate upon the market for which their experience of over one hundred and fifty years has well equipped them, and the advertising of their preparations, created for the fashion of the day, will be adjusted to the more fastidious public to which they make appeal. The change in selling policy will mean no change in the quality of the articles concerned. Californian Poppy was introduced to the public in 1905; Black Tulip, though of comparatively recent origin, has achieved a wide and still growing popularity, although an entirely different type of perfume; Au Revoir completes the list of products now being marketed by Proprietary Perfumes, Ltd., to meet an increasingly apparent demand for articles which combine quality with a reasonable price. Counter and window displays have been designed, complete in themselves, but linking up with the Press campaign. Messrs. Atkinson will now devote themselves to the advertising and selling of such deservedly famous lines as Gold Medal eau de Cologne and English lavender water, upon which the firm's reputation for the last hundred years has been built, to be reinforced more recently by Sonnet, Spring Days and Insouciance. With the customary essences of lemon and orange, bergamot and rosemary, Messrs. Atkinson use a neroli distilled from the blossoms of their own orange groves in Tunis, and should any chemist find himself in that country in the course of holiday wanderings, a visit to the Atkinson orange groves suggests itself as an enjoyable and informative excursion. He would be cordially welcomed. Atkinson's English lavender water is a reproduction of the true lavender flower perfume, and the pack has now been altered to give it a twin-like resemblance to eau de Cologne, and to render joint display more effective and striking.

"C. & D." Retail Price List

THERE was no change in the index of drug prices for July from that of June, i.e., 143.5. The figure was 149.3 in July 1933. There are a few changes in dispensing and selling prices of sufficient importance to be carried forward and these are set out below, but the amount of change was not enough to affect the index figure. In surgical dressings there was no change, the index being 136.0, as in the previous five months.

Cost			Selling Price			
			16 oz.	4 oz.	1 oz.	1 dr.
d.	per		s. d.	s. d.	s. d.	s. d.
60	oz.	Carbromalum	—	—	8 9	1 3
24	dr.	Ephedrina alk. .. B	per	gr.	0 2	3 6
18	dr.	Ephedrinæ hydrochloridum .. .. B	per	gr.	0 2	2 8
20	dr.	Ephedrinæ sulphas B	per	gr.	0 2	3 0
13	oz.	Lin. menthol	—	—	1 11	0 4
13	oz.	Lithii carbonas	—	—	2 0	0 4
19	oz.	Menthol	—	—	2 10	0 5
90	lb.	Ol. menthæ Jap.(dementh.)	—	3 3	0 11	0 2
84	lb.	Rosæ pet. exot.	—	3 0	0 10	—
12	oz.	Thymol	—	—	1 9	0 3
24	oz.	Ung. adrenalini	—	—	3 6	0 6
20	oz.	Uranii nitras	—	—	3 0	0 6

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1934, p. 304.

(From "The Trade Marks Journal," July 25, 1934.)

"ACINTOSH"; for chemicals (1). By A. E. H. Dussek, 52 Park Avenue, Bromley. 551,965.

"NU-VI-VUM"; for veterinary preparations (2). By Pinkstone, Ltd., Lower Park Row, Bristol. 548,949.

"CYMAG"; for chemicals (2). By Imperial Chemical Industries, Ltd., Millbank, London, S.W.1. 550,628.

"VITA NERVE JELLY," with design of jelly on a dish ("VITA" and design disclaimed); for tablets of medicated jelly for treatment of nerves (3). By A. Reed & Co., 6-8 Beauchamp Street, London, E.C.1. 541,811.

"KALABAK"; for herbal pills and cut herbs (3). By J. R. Hencher, 7 Park Road, Bestwood, Notts. 547,633.

"GONADOTRAPHON" and "ADREMOTRAPHON"; for medicinal chemicals (3). By Paines & Byrne, Ltd., Bilton Road, Greenford, Middx. 549,090/1. (Associated.)

"MENULA"; for medicinal chemicals (3). By Naamlooze Vennootschap Chemisch-Pharmaceutische Fabriek "Menoline," Emantsstraat No. 23, The Hague, Holland. 550,575.

"MERFENIL"; for medicinal chemicals (3). By May & Baker, Ltd., Church Road, Battersea, S.W.11. 551,380.

"VADGE-HY" on diamond shape; for lactic acid jelly and medicated pessaries (3). By Dutch Distributors, Ltd., 57 Gracechurch Street, London, E.C.3. 551,450.

"MENAZONE"; for medicines (3). By M. H. Wyse, 179/180 Piccadilly, W.1. 551,824.

"ZIPALAX"; for sweetmeat laxatives (3). By Zips and Allied Products, Ltd., Jameson Street, Kingston-upon-Hull. 551,534. (Associated.)

"AIREBANK"; for all goods (3) and (48). By Johnson & Johnson (Gt. Britain), Ltd., Fairlie Road, Slough. 551,627/629. (Associated.)

"VELVIX"; for corn plasters (11). By Hinders, Ltd., 174/192 Estcourt Road, S.W.6. 552,000.

"L'AVENIR"; for perfumery, etc. (48). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 549,818.

"CREME SIMON" on conventional design incorporating monogram "M.A.T." ("Simon and "M.A.T." disclaimed); for a toilet cream (48). By Crème Simon, 66 Rue de L'Université, Lyon, France. 550,587. (Associated.)

Marriages

CRABTREE—TOMLINSON.—At South Ealing Register Office, London, W., on July 18, Norman, second son of the late Mr. H. Crabtree (Crabtree & Co. (Chemists), Ltd., Hounslow), to Florence, eldest daughter of Mr. J. Tomlinson.

JOHNSON—LAUDER.—At the Grand Hotel, Glasgow, on July 27, Ernest H. Johnson, chemist and druggist, to Annie M. C. Lauder.

WESTON—HEATON.—At the Presbyterian Church, Egremon, Wallasey, recently, N. E. Weston to Alice C. Heaton, chemist and druggist, daughter of Mr. T. Heaton, chemist and druggist.

Deaths

BURNETT.—Recently, Mr. Albert Edward Burnett, chemist and druggist, for many years in business in Whiteladies Gate and Chandos Road, Bristol. Mr. Burnett qualified in 1896.

HESEKIEL.—At a nursing home on July 25, after a brief illness, Mr. A. J. Hesekiel, late manager of The London Essence Co., Ltd., Glengall Road, London, S.E.15, aged seventy-five. Mr. Hesekiel was with the London Essence Co. for more than forty years, during which period he visited practically every country in the world. He will be greatly missed by the company and by many other friends.

WOLVERSON.—At Llandudno, on July 26, Mr. Martin Wolverson, retired chemist and druggist, aged ninety-four. Mr. Wolverson commenced in business at Hednesford in 1870. He was the first chairman of the Cannock Urban Council, and in 1896 was appointed a justice of the peace for Staffordshire. He was also a member of the Cannock Board of Guardians, and the first president of the Hednesford Traders' Association. Mr. Wolverson retired sixteen years ago.

Personalities

MR. C. RENTON COOMBER, director and general manager of P. B. Cow & Co., Ltd., Streatham Common, London, S.W.16, left on July 27 for a business tour in Canada and the United States of America.

MR. J. LLOYD-JONES, chemist and druggist, Blaenau Festiniog, who was at Bala on July 19 promoted to Junior Grand Warden Past Rank, is a founder and Senior Past Master of the Moelwyn Lodge No. 3669. He has held the office of secretary of the Lodge for 17 years. Mr. Lloyd-Jones is also a P. Prov. G.P. Soj in the Prov. Grand Chapter of North Wales.

MR. JOHN LEE, chemist and druggist, son of Mr. H. Lee, Eastbourne, Darlington, has sailed from Southampton for New York, after having taken his degree of doctor of science at Zurich University. Dr. Lee, who is thirty-one years of age, was educated at the Darlington Technical College, served his apprenticeship in a local pharmacy, and then went to Glasgow University to study for the qualifying examination of the Pharmaceutical Society. He subsequently went to New York, where he took the B.Sc.

Wills

MR. HENRY BAKER, Orpington, Kent, chemist and druggist, proprietor of Jones & Co., chemists, New Cross Gate, London, S.E.14, died on May 22, aged fifty-one, leaving £11,996, with net personalty £9,119.

MR. ARTHUR GOLDTHORPE, London Hotel, Ottery St. Mary, formerly of Plumstead, London, S.E., retired chemist and druggist, who died on May 7, aged sixty-five, left estate of the gross value of £91,787, with net personalty £83,576.

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All users of the *C. & D.* Retail Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in everyday request by the public. Price 2s. 6d. post free.

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Uniform with the "Chemists' Dictionary," contains 296 pages and consists of formulas for medical prescriptions used in twenty-two hospitals and infirmaries in Great Britain outside the London district. Price 3s. net, by post 3s. 2d.

THE CHEMISTS' DICTIONARY OF MEDICAL TERMS.

A small book which explains the meaning of medical terms as to which customers often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on the treatment of the more important ailments. Price 3s. 6d. net, by post 3s. 8d.

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Branch Offices: Manchester and Sheffield, England, Glasgow, Scotland. Melbourne and Sydney, Australia. Auckland, New Zealand.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

M/18. Aylmer's strained vegetables
D/25. Dean Universal Emulsor
B/23. Dr. Ayton's medicine
B/31. Ferna teats
L/21. Frosty Hot vacuum flask
M/31. Furida puffs
M/17. Grosvenor brand bath salts with wintergreen
H/21. Thompson's self-adjusting trusses
E/30. Urback Propepta

THE
CHEMIST AND DRUGGIST
VOL. CXXI. August 4, 1934 NO. 2843

Pharmacy Needs No Dictatorship

We have good reason to know that the leading article on "The Chemist's Birthright" published in our issue of July 14 has found a frequent echo in the minds of thousands of pharmacists (both in and out of business) throughout Great Britain. Our contributor Xrayser has suggested that it may be necessary to form an association of pharmacists, not in business, to "conserve the rights of its members." "Statim," in our correspondence columns (p. 127), has advocated that a test case be provided as soon as possible in order to give the Courts an opportunity of interpreting the complex and thoroughly anomalous position which has been arrived at as a result of the misplaced cleverness of the pharmaceutical "powers that be" in trying to tap so productive a source of revenue to pay for diversions which are making the Pharmaceutical Society more and more a trading concern instead of being the educational, protective and provident society defined by the Charter of 1843.

Can Wisdom Prevail?

For our part we doubt very much whether wisdom can be expected to prevail over the dictatorial tendencies which seem of late to have taken deep root in Bloomsbury Square, tendencies that undoubtedly have been growing rapidly as the result of contact with Whitehall—as was inevitable. The appointment of an official of the Home Office, retired on pension by reason of the age limit, as the salaried chairman of the Statutory Committee is entirely in keeping with Whitehall traditions; and although we do not doubt for a moment the vast criminal experience of Sir Ernley Blackwell, we cannot help knowing that some disappointment has already been created among pharmacists by the association of criminality with their possible peccadilloes. There was some expectation that a chairman would be nominated who was a legal personage with at least some practical experience of pharmaceutical life though also trained in law—such practical experience can never really be compensated for by information conveyed by colleagues.

Practising Pharmacists and Others

We note that by Section 1 (3) of the Pharmacy and Poisons Act it is provided that "different retention fees may be prescribed under this section as regards different classes of members of the Society, and provision may be made by by-laws for exempting any class of the said members from liability to pay a retention fee." It seems to us that Xrayser's suggestion (p. 67) that all pharmacists qualified by examination should be retained on the Register, but with a star or other mark indicating those who are not "keeping open shop," is the right way of dealing with the matter. Moreover, it is the simple and practical way of dealing with it, because the registrar will have to keep a record of all persons who are qualified and, if temporarily excluded from the Register, will be entitled at any time to apply for reinstatement. Unless such a list is kept—and kept up to date as at present in regard to decease or removal—trouble will be created and obvious opportunities for fraud will arise. For, it may be noted, the Society has no power to demand the return of an examiner's certificate of fitness to keep open shop. Again, we note that Section 1 (1) says that every person registered as a pharmacist "shall, by virtue of being so registered, be a member . . . and the provisions of the Pharmacy Acts and of the Charter of Incorporation of the Society, in so far as they provide that persons shall become members of the Society by election, shall cease to have effect." We begin to envisage a new race of "unqualifieds"—the holders of examiners' certificates who abjure the sale and dispensing of poisons, and are content to keep open shop for the sale of everything else, relying upon subsection (2) of Section 3 for the statutory limitations that they must necessarily impose upon themselves :—

> It shall not be lawful for a person to use in connection with any business any title, emblem, or description reasonably calculated to suggest that he or anyone employed in the business possesses any qualification with respect to the selling, dispensing or compounding of drugs or poisons other than the qualification which he in fact possesses.

And keeping in mind the rest of the subsection which forbids the use of the word "pharmacy," this new race will rely upon their examiners' certificates. What name they will adopt we cannot prophesy; however, a name will be found, and we are almost tempted to start a guessing competition as to the title which will ultimately be reserved to them.

The Position of the Rope

It is interesting to note that Mr. E. T. Neathercoat, in the genial and seductive review of the new legal position (which has arisen mainly as a result of his own activities), kept very clear of the crucial topics which are referred to in this article. His paper, reported in abstract in our issue of July 28 (p. 150), was far from illuminating, and still further from satisfying. The shrewd Scottish delegate who capped the assurance that pharmacy had at length reached a "jumping-off" place by reminding the audience that pharmacy had a rope round its neck, expressed what we believe was the general opinion of the meeting, and no verbal amenities (usual on such occasions) can have disguised from Mr. Neathercoat the true state of feeling. His assurance that the rope was not round the neck, but round the waist—in conjunction with Mr. Linstead's appeal for "brains" to replace "guts" in pharmacy—provides much food for contemplation.

Pharmaceutical Society of Great Britain

Council Meeting

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C.1, on July 31 and August 1, the president (Mr. John Keall) in the chair.

TUESDAY'S PROCEEDINGS

Among the business transacted by the Council at their meeting on July 31 were the following items:—

A letter was received from the Pontypridd and Rhondda Valley Branch conveying the following resolution:—"That it is the opinion of this Branch that all future appointments as superintendents of pricing establishments should be held by qualified pharmacists."

A letter was received from the Parliamentary Science Committee of the British Science Guild requesting the payment of the Society's annual subscription to "Science in Parliament." It was agreed that the subscription should be sent.

A letter was received from the secretary of the National Pharmaceutical Union suggesting a conference between representatives of the Executive of the Union and the Council of the Society upon the possibility of co-ordinating the branch organisation machinery of the two bodies. The president, vice-president and chairman of the Organisation Committee were appointed (together with a representative of the North British Executive if the Executive desired to participate in the discussion at this stage) to meet representatives of the Executive.

The Council considered a report from the president, the chairman of the Publications Committee and the chairman of the Codex Committee upon the combining of the editorial arrangements for the Codex, the "Extra Pharmacopœia" and the "Pocket Book"; it was agreed that Mr. C. E. Corfield should be invited to act as editor of the three and that Mr. Treves Brown should be appointed to assist him.

APOLOGY FOR ABSENCE

On the resumption of business on August 1 THE PRESIDENT said he had received an apology for his inability to attend the meeting from Sir Malcolm Delevingne.

DEATHS

THE PRESIDENT made sympathetic reference to the deaths of Mr. Arthur Enock, Middlesbrough, a past-president of the Tees-side Branch, and Mr. Horace Stock Phillips, M.B.E., Ph.C., Southport. Mr. Phillips joined the Society's staff in 1914, and left during the war, when he was attached to the Chemical Warfare Department under Colonel Harrison.

BRITISH PHARMACEUTICAL CONFERENCE

THE PRESIDENT proposed the following resolutions in connection with the British Pharmaceutical Conference, held at Leeds:—

The Council of the Pharmaceutical Society of Great Britain desire to express their thanks to the Lord Mayor (Mr. A. E. Wilkinson) and the Corporation of the City of Leeds for the hospitality extended to the British Pharmaceutical Conference by the City and for the facilities granted in connection with the Conference functions.

The Council of the Pharmaceutical Society of Great Britain record their grateful thanks to the Vice-Chancellor, Sir James Baillie, and the Council of the University, Leeds, for the welcome and reception given them on the occasion of the British Pharmaceutical Conference. They also desire to record their appreciation of the demonstration and exhibition in the Pharmacological and Pharmaceutical Laboratories and Museum, as well as of the facilities which were offered in connection with the meetings of the Conference.

THE PRESIDENT said all who were able to be at the Conference would agree that the manner in which they were received, and in which the Conference was opened, provided a wonderful send-off. They were doubly fortunate in Leeds, apart from the reception, in the opportunities afforded for their science meetings and delegates' meetings, and also of seeing something of the splendid work being done in the Medical School. The Conference was a great opportunity for them to meet and fraternise with their fellow members, and thanks were especially due for the arrangements whereby the ladies who desired to see some of the beautiful places in the Leeds district were able to do so. In particular, they appreciated the wonderful trips through the Yorkshire dales. He was sure the Council would wish to thank the Local Committee and officers of the Leeds Branch for what they had done.

THE VICE-PRESIDENT, in seconding, added his expression of appreciation, and the resolutions were carried with acclamation.

ELECTIONS AND REGISTRATIONS

Fifteen persons were elected as student-associates. The registrar reported that since the last meeting seventy-nine persons had been registered as apprentices or students.

BY-LAWS AMENDED

The proposed amendments to the by-laws read and approved at the meeting of Council on June 6 were finally read and confirmed, and a copy of the by-laws is to be sent to the Privy Council.

RESTORATIONS TO THE REGISTER

The Council directed that the restoration to the Register of the names of a number of persons should have effect as from July 4, 1934, these being persons whose names were removed from the Register on that date and who had subsequently paid the retention fee, together with the prescribed penalty.

A SECTION 4 (B) REGISTRATION

It was directed that Marjorie Marion Hyder, 6 Sussex Gardens, W.2, be registered as a chemist and druggist in accordance with Section 4 (B) of the Poisons and Pharmacy Act, 1908.

NOTTINGHAMSHIRE STUDENTSHIP

The Council decided that the Governing Body of University College, Nottingham, be recommended to award the Nottingham University College studentship in pharmacy to Maurice William Partridge.

COUNCIL SCHOLARSHIPS

On the report of the Committee appointed to award scholarships, the following awards were made:—

Jacob Bell Scholarship.—Jack Leslie Forsdike.

First Leverhulme Scholarship.—Frank Charles Cumberland.

Second Leverhulme Scholarship.—Arnold Rogers.

Third Leverhulme Scholarship.—Maurice William Partridge.

Devon and Cornwall Exhibition.—Edward Cossentine Evens.

CORRESPONDENCE

The registrar of University College, Exeter, wrote inviting the Council to appoint a representative of the Society to the Court of the Governors. Mr. Rowsell was appointed.

A letter was read from the Minister of Health regarding the date of the coming into force of the new British Pharmaceutical Codex, and stating that the standards of the Codex would come into force on April 1, 1935, for National Health Insurance purposes.

BENEVOLENT FUND

The report of this Committee showed that fifteen applications had been considered, and grants made ranging from £6 10s. to £30. The following special con-

tributions were acknowledged:—Walsall Branch, £20; Liverpool Pharmacy Club, £5 14s.; Hull and District Pharmacists' Association, £5 5s.; T. Rawlins, £3 7s. 3d.; C. B. Harrison, £2 10s.; Warwickshire Branch, £2 5s. 6d.; FitzHugh & Carr, £1 0s. 6d.; J. T. Davies, Ltd., 17s. 6d.; Nottingham and District Branch, 17s.; F. W. Elliott, £1; H. S. Peirson, £1; A. Tidy, £1. *Orphan Fund.*—Hull and District Pharmacists' Association, £2 2s. The summary of the quarter's activities showed that thirty-eight grants were made, amounting to £778 3s. During the same period the receipts amounted to £1,250 14s. 9d.

Mr. Beardsley said the Committee had asked him to draw the Council's attention to a letter which they proposed to send to subscribers explaining that where subscriptions were promised for seven years a considerable rebate could be obtained in respect of income tax. The letter would be sent to all subscribers of 10s. and over. The Council would no doubt remember that two years ago Mr. and Mrs. Freke took advantage of the section of the Finance Act dealing with the matter, and the Committee were able to reclaim the income tax for the subscriptions. As the result of an appeal by Mr. Marns a garden party had been arranged by the Walsall Branch resulting in £20 being raised for the Benevolent Fund. He (the speaker) believed that other branches could arrange similar functions on behalf of the Fund. Mr. Elliott, of Hove, had suggested that members who were to have their money returned in connection with the proposed publicity scheme of the N.P.U. should give it to the Fund, and had been as good as his word. It was hoped other chemists would follow this example. That morning, too, a letter had been received from Barclays Bank stating that the late Mr. Arthur Goldthorpe had left a legacy of £200, free of income tax, for the Fund.

Mr. Rowsell said he was very glad the Committee had brought forward their scheme for saving income tax on the payments made for seven years. He hoped the Council would suggest when they sent out the circular that the present was a good opportunity for subscribers to double their subscriptions. He, of course, had done this, and he hoped that a large number of others would do the same. (Hear, hear and applause.) The report was adopted.

War Auxiliary Benevolent Fund

The report of this Committee showed that three applications had been received, and grants made or were recommended ranging from £5 to £52. The report was adopted. The return for the quarter stated that seventeen grants had been made, amounting in all to £377 11s. 6d.

British Pharmaceutical Conference Committee

Mr. Melhuish, commenting on the report of the meeting of the Executive of the British Pharmaceutical Conference, referred to the death of Dr. Herbert C. Kassner, of New York, who was the first student in the School of Pharmacy of the Society to obtain the degree of Doctor of Philosophy of London University, and for ten years had been a corresponding member of the Conference. The report was adopted.

Establishment Committee

The report of the Establishment Committee recommended that the Ransom research fellowship for 1934-36 be awarded to Mr. Reuben Wien, and that the Rammell studentship for 1934-35 be awarded to Mr. Maurice Robert Gurd. As a continuation of the series of evening lectures of a post-graduate nature, held during the winter session for several years past with the exception of last year, Mr. Berry had been asked to deliver a course of lectures in pharmacy during next session, and had agreed to undertake this work. The report was adopted.

The President explained that the treasurer, Mr. Jenkin, was unable to attend the meeting owing to ill health, and asked Mr. Guthrie to deal with the accounts.

Finance Committee

The financial statement showed that receipts since the last meeting, including a balance of £38 13s. 1d., amounted to £9,516 9s. 4d., comprising the following items:—Retention fees, £168 10s. 6d.; subscriptions, £11 11s.; College—University grant, £162 10s.; registration fees £138 12s.; restoration fees, £43 1s.; examination fees, £4 4s.; Pharmacological Laboratories, £109 4s.; penalties and expenses, £63; fee for licence, £2 2s.; deposit interest, £19 17s. 9d.; rentals, £494 18s. 9d.; "Pharmaceutical Journal," £1,109 4s. 3d.; Pharmaceutical Press, £628 8s. 8d.; F.S.S.U. contributions, £14 17s. 3d.; sundries, £7 15s. 1d.; transferred from deposit account, £6,500. Payments ordered at the last meeting amounted to £9,495 4s. 8d., leaving a balance of £21 4s. 8d. The balances on the other accounts were:—Benevolent Fund (current account), £47 11s. 11d.; Benevolent Fund (donation account), £10 5s. 11d.; War Auxiliary Benevolent Fund, £49 0s. 6d.; Hills Orphan Fund, £36 8s. 4d.; Orphan Fund, £9 13s. 9d. Accounts amounting to £14,777 13s. 10d. were passed for payment, and the action of the secretary in making payments amounting to £1,534 10s. 2½d. was approved. The report was adopted.

Education Committee

Mr. Hines raised the question of the appointment of a vice-chairman by the Education Committee, asking why this had been done. He thought it desirable that, if a vice-chairman were elected to any Committee, it should be done by resolution of the Council and not be left to the whim of the Committee. Otherwise an invidious choice might be made. He suggested that the proposal should be withdrawn.

Mr. Antcliffe said he understood some years ago that a committee could appoint a vice-chairman.

Mr. Simmons said when he came on the Council the Committe had a vice-chairman. He thought it was open to any committee to elect a vice-chairman if they wished to do so.

Mr. Peck recalled that as long ago as 1923 he was elected a vice-chairman.

Mr. Beardsley asked if the Council wished committees to appoint vice-chairmen.

Mr. Rowsell said he thought the matter should be left to the committees.

Mr. Hines expressed the view that the position should be regularised by the Council. The matter then dropped.

Retirement of Mr. Frank Browne

The President proposed the following resolution:—

Upon the occasion of the retirement of Mr. Frank Browne from the Society's staff, the Council place on record their warm appreciation of his services and the spirit of loyalty and devotion to the Society in which he has discharged his duties. His consideration, sympathy and helpfulness endeared him to all members of Council, and they trust that he may have a long and happy retirement.

The President paid a cordial tribute to the worth and work of Mr. Browne, with whom he had been associated closely for many years. Mr. Browne had been a guide, counsellor and friend, and had done everything he could to make the work of the members of the Council easier. In particular, he had materially helped the organisation work. He was a man of many interests, and had promised to attend Council meetings and other functions as often as possible. He would go into retirement with the best wishes of every member of the Council. (Applause.)

The Vice-President seconded, and Mrs. Freke, Messrs. Hines, Melhuish, Rowsell, Marns and Beardsley each expressed their appreciation of Mr. Browne's services.

Law Committee

The report of the Law Committee, presented by Mr. Hardy, stated that in England and Wales, since the last report, 740 shops have been visited; of these 371 were chemists' shops. In all the chemists' shops certificates were exhibited. At eleven of the remaining 369 shops visited certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, forty chemists' shops have been visited, in all of which certificates were exhibited.

This was all the public business.

London Examination Results

Pharmaceutical Chemist Qualifying Examination

The following are the results of the Pharmaceutical Chemist Qualifying examination held in London during July. Of forty candidates who entered thirteen failed, eleven were referred, and two were absent. The following fourteen were successful:—

Bullock, Kenneth
Carter, Marjorie B.
Dowsett, Marjorie M.
Dyson, L. S.
Hainsworth, F.
Hanbury, J. C.
Harrod, D. C.
Hoyle, Horace
Jackson, R. H.
Keall, J. H. H.
Little, Mary K.
Rigby, William
Walley, Marjorie M.
Witcombe, R. G.

Preliminary Scientific and Chemist and Druggist Qualifying Examinations

The following are the results of the Preliminary Scientific and Chemist and Druggist Qualifying examinations held in London during July:—

—	No.	Preliminary Scientific Examination				Chemist and Druggist Qualifying Examination			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for Prelim. Sc. exam.	543	6	254	144	139	—	—	—	—
Referred subject in Prelim. Sc. exam.	127	1	—	55	71	—	—	—	—
Entered for C. and D. exam.	473	—	—	—	—	4	124	104	241
Referred subject in C. and D. exam.	25	—	—	—	—	—	—	7	18
	1168	7	254	199	210	4	124	111	259

Candidates have been referred as follows:—Botany, 141; chemistry, 41; physics, 17; pharmacognosy, 18; pharmacy, 53; pharmaceutical chemistry, 24; forensic pharmacy, 16.

Candidates have failed as follows:—Botany, 236; chemistry, 215; physics, 186; pharmacognosy, 84; pharmacy, 86; pharmaceutical chemistry, 66; forensic pharmacy, 81.

Chemist and Druggist Qualifying Examination

The following candidates have satisfied the examiners in this examination:—

Andrews, F. C., Putney
Arrowsmith, James, Wirral
Arthur, Richard, Wrexham
Arthur, T. E., Cardiff
Ash, R. W., Bridgwater
Ashcroft, Harry, Bolton
Ashworth, K., Hebden Bridge
Attwell, R. H., Cranleigh
Axworthy, R. G., Harbertonford
Babb, K. C., Bristol
Baines, W. K., Sleaford
Baldwin, D. F., Sherston
Banks, G. S., Finsbury Park
Barke, K. F., Harlow
Barrett, Lawrence, Honley
Barrett, R. J., Gloucester
Belcher, A. E., Abingdon
Bell, H., New Springs
Bennett, T. H., Darwen
Biddulph, Leonora, Upper Norwood
Bilson, F. W., Bournemouth
Bines, Nora I., Brighton
Bird, H. A., Northampton
Blake, A. M., St. Minver
Blundell, J. W., Blackpool
Booth, A. D., Brighouse
Bowden, S. W., Swindon
Bowen, H. L., Llanelly
Bowness, J. L., Wells
Brace, W. I., Newport
Brayton, L., Wallsend-on-Tyne
Britton, J., Old Basford
Broad, W. A., Burton-on-Trent
Brook, D. C., Brighton
Brooker, J. K., Sandling
Brotherton, Edward, Dewsbury
Brothwood, L. E., Chesterfield
Brown, G. W., Chorley
Burgess, N. G. M., Cardiff
Bush, M. W., Wisbech
Buzza, C. D., Twickenham
Callicott, Ida, Hull
Capriles, R. A., Leicester
Carter, A. H., Eastbourne
Champion, D. A., Deptford
Chew, Edward, Skipton
Clegg, Harold, Bacup
Coats, R. W., Maidstone
Cocking, H. A., Finchley
Collins, Eileen M., Ipswich
Comley, L. R. M., Port Talbot
Crapper, Ronald, Rotherham
Cummins, R. C., Andover
Curtis, W. J., Bury St. Edmunds
Da Forno, L. J., Liverpool
Dally, Edna, Cardiff
Davenport, G. R., Brockley
Davies, Frederick, Birkenhead
Day, Reginald, Boston
Dean, J. A., Burton-on-Trent
Dean, L. H., Crawley
Dodd, H. C., Brownhills
Downs, T. S., Stoke-on-Trent
Duffy, J. C., Liverpool
Dumler, H. C., Manchester
East, F. H., Margate
Eckford, William, Chester
Eddison, Laurie, Bradford
Edwards, Leonard, Chester
Elliott, A. L., Coventry
Elliott, S. G., Stockport
Farmer, Florence M., Worcester
Fitch, H. D., Bluntisham
Fleming, F. G., Norhampton
Fothergill, Lilian, Rochdale
Freck, A. V., Nottingham
Gaffney, Samuel, Sheffield
Garrett, W. J., Southampton
Geare, Valerie C. E., Acton
Gerhold, R. M., Yiewsley
Gibbs, R. C., Coventry
Gill, Herbert, Huddersfield
Gillis, R. H. C., Newquay
Gillon, P. L., Lowestoft
Goldberg, Richard, Manchester
Goldfeather, E. M., North Kensington
Greenop, Selby, Carlisle
Greenwood, K. A., Coventry
Greenwood, Millicent A., Ipswich
Grenfell, R. C., Newport
Grindlay, W. G., Wirral
Gross, M. St. G., Southampton
Gwinnett, W. J., Walsall
Hall, Harry, Sheffield
Hankin, J. W., Grimsby
Harris, A. C., Leagrave
Harrison, W. C. F., Manchester
Hastings, A. W., Leicester
Haworth, J. G., Burnley
Hebron, E. A., St. Helens
Higson, Ernest, Bolton
Hill, Raymond, Stamford
Holliday, C. B., Hull
Horne, B. L., Moreton-in-Marsh
Horsfall, H. R., Hebden Bridge
Houghton, E. J., Torquay
Howard, C. H., Coventry
Howell, T. R. W., Peterborough
Hughes, S. W., Macclesfield
Humphrey, Walter, Great Driffield
Hunt, Doris M., Wolverhampton
Ibbotson, I. A., Wath-on-Dearne
Ivinson, W., Barrow-in-Furness
Jackson, Mary A., Upper Norwood
James, J. G., Leyton
James, T. E., Maesteg
Jenkins, Gwynfryn, Ferndale
Jones, B. E., Narberth
Jones, D. M. M., Whitminster
Jones, M. E., Wellington
Joyner, K. B. J., Wimborne
Kemp, Phyllis W. F., Battersea
Knapman, F. E., Devonport
Lacy, W. I., Burnham
Lane, R. E. M., Burton-on-Trent
Langton, R. Ll. J., Harlesden
Larcombe, D. F., Leominster
Lee, Dorothy K., Redhill
Legg, S. E. W., Gillingham
Le Quesne, H. H., Jersey
Lewis, G. E., Saltburn
Lewis, W. A., Swansea
Lockyer, B. J., Redhill
Lomas, Alfred, Sheffield
Lonsdale, Charles, Gateshead
Lownsbrough, R. L., Maida Vale
Lynn, R. C., Bournemouth
McLeavy, Mollie, Wigan
Mann, Marjorie C., Isfield
Markham, E. J., Bedford
Marrington, A. W., Portsmouth
Marsden, Frank, Sheffield
Massey, K. W., Guildford
Mather, W. E. Gedling
Matthew, T. H., Rugby
Maude, Edward, Halifax
Meatchem, A. S., Newton-le-Willows
Medhurst, G. A., Clapham
Melluish, W. H., Praze
Midgley, E. L., Doncaster
Miller, G. T., Southampton
Milnes, C. G., Brighouse
Mobbs, N. F., Bury St. Edmunds
Morgan, J. K., Swansea
Morris, R. N., Tunbridge Wells
Morton-Cameron, Ronald, Leek
Mothersole, H. P., Newcastle-on-Tyne
Newton, Harold, Mytholmroyd
Norton, J. G., Yeovil
Ormerod, F. L., Manchester
Osmond, Percy, Bournemouth
Overell, A. A., Wimbledon
Oxley, Harry, Rotherham
Pain, Winifred E., Eastbourne

Pearce, Edgar, Plymouth
Peck, George, Scarborough
Penhale, G. H., Swansea
Penwarden, W. C., Blackburn
Perkins, R. W., Brighton
Peskett, W. H., Reading
Plews, Frank, Barnsley
Port, T. H., Rhyl
Pratt, Greta M., Huddersfield
Preston, Arthur, Whalley
Price, L. J. S., Worcester
Pugh, D. G. J., Port Talbot
Ranger, W. F., Redhill
Read, D. G., Swansea
Rees, Elfyn, Ogmore Vale
Rees, G. D., Corsham
Rees, T. D., Henllan
Rice, H. O., Rochdale
Richards, F. W., Stoke-on-Trent
Richards, Ronald, Soho
Richards, W. I., Bangor
Richardson, Margaret, Hebden Bridge
Rickman, Kenneth, Redcar
Roberts, W. O., Alton
Robins, F. E., Guernsey
Robinson, C. W., Norwich
Rogers, F. H., Bideford
Rowley, E., Stoke-on-Trent
Sampson, Marjorie N. I., Keighley
Savage, R. E., Loughborough
Scott, N. S., Newark
Scrine, A., Bradford-on-Avon
Sefton, G. L., Hirwain
Shand, H. G., Budleigh Salterton
Shaw, J. C., Oldham
Shawcroft, F. H., Southport
Sheppard, S. L. C., Swindon
Shipp, F. J., Ventnor
Smith, F. J., Rossett
Smith, J. C., Birmingham
Smith, Walter, Manchester
Sockett, G. B., Newcastle
Spilsbury, Victor, Handsworth
Spowage, J. J., Cosham
Stagg, S. R. G., Newport
Stansfield, J. C., Wolverhampton
Stiff, Harry, Faversham
Stone, C. M., St. Helier
Sweeting, W. D., Bournemouth
Talbot, Vera K. M., Norwich
Tate, J. C., Luton
Taylor, Elsa F. M., Swansea
Taylor, F. A., Kirton
Taylor, V. A., Eston
Teal, R. H. G., Forest Hill
Telford, T. K., St. Annes-on-Sea
Tetlaw, Herbert, Halifax
Thompson, A. S., Rhyl
Thorne, W. L., Ilfracombe
Thorpe, B. C., Bradford
Tidswell, Sidney, Halifax
Tinkler, George, Halifax
Toplis, G. L., Grantham
Travers, Michael, Stepney
Treharne, R. L., Landore
Trevor, A. R. G., Walsall
Turner, A. W., Deal
Turner, H. G., Barry
Upton, Doris M., Birmingham
Vickers, A. L., Liverpool
Warshafsky, N., Whitechapel
Watts, K. E., Palmer's Green
Weeks, E. E., Ryde
Wenham, F. L., Hastings
West, E. S., Teignmouth
Whayman, Mary H., Beckenham
Whittaker, Edgar, Clitheroe
Whittles, J. T., Birmingham
Wilkinson, A. G., Swinton
Wilkinson, G. E., Cleethorpes
Willey, Nora M., Hull
Williams, C. J., Cardiff
Williams, L. B., Liverpool
Williams, R. M., Loughor
Windle, Norman, Doncaster
Winslow, Harry, Nelson
Winter, C. W., Norwich
Wood, George, Manchester
Wood, Zoe M., Sudbury
Woolls, V. J., Margate
Worley, J. L. R., Chesham
Worton, E. H., Lye
Wright, E. A., East Dereham
Wright, Harry, Wigan
Young, R. H., Leeds

Branch Meetings

Bedfordshire.—At a recent meeting of the Bedfordshire Branch, Mr. E. H. Burroughs was appointed *Secretary* in the place of Mr. C. D. Smith, who has left the district. Mr. G. L. Whitmore was appointed *Assistant Secretary*.

Edinburgh.—The annual general meeting of the Edinburgh and South-Eastern Scottish Branch was held recently, Mr. John Gilmour (Dunfermline) in the chair. Mr. Arthur Cairns (secretary) submitted the annual report and financial statement. The accounts closed with a substantial balance in hand. The chairman said he felt sure they would be glad to note that Mr. John Keall had been re-elected president of the Society. He also desired to congratulate Mr. Dick on his election to the Council. It would be their endeavour to get in touch with new members of the Branch so that they might take an active part in carrying on the work of the Society. On the motion of Mr. Miller the annual report and financial statement were adopted. The following officers were elected:—Mr. John Gilmour (Dunfermline), Mr. J. B. Mitchell (Edinburgh), and Mr. Arthur Cairns (Edinburgh) were re-elected *Chairman, Vice-Chairman,* and *Secretary* respectively. The following were appointed members of *Committee*:—David Harley (Musselburgh), James Henry (Galashiels), Thomas C. Miller (Dunfermline), Peter Nisbet (Leith), Gordon Perrins (Edinburgh), Olive W. Scarlett (Edinburgh), James C. Somerville (Edinburgh), J. R. Sutherland (Dalkeith), J. H. Tainsh (Edinburgh), Alexander Walker (Edinburgh), J. Watson (South Queensferry), and Thomas Wilson (Burntisland). Mr. J. Rutherford Hill gave an address on *Current Pharmaceutical Topics* indicating the gradual development and statutory recognition and organisation of the craft of pharmacy from 1843 to 1933.

Statutory Committee

The Statutory Committee of the Pharmaceutical Society held its first meeting on July 30, Sir Ernley Blackwell in the chair. The meeting was occupied with the consideration of a draft of the rules of procedure.

Lanolin

THE production of lanoline is a branch of the oil industry which is mainly pursued in Yorkshire. Before wool as cut from the sheep can be handled in the looms it is washed with a soap and soda solution to free it from dirt and grease. The washing may extract as much as a quarter of the weight of the wool as fatty and oily materials, which, together with the dirt and other substances pass into the soap solution. Since all natural animal greases contain free fatty acids, a portion of the wool grease is converted into soap by the soda. The solution is treated in the following way to produce a good grade of lanolin. First it is roughly filtered or settled, then it is treated with a mineral acid to decompose the soaps. This causes the wool grease and the fatty acids from the soaps to rise to the surface as an oily layer which is kept warm to allow as much water as possible to separate. Even under the most favourable conditions, the oil retains a large amount of water, consequently it is passed through a hot filter press. This retains most of the water, while the wool grease which issues from the press is a dark brown salve-like substance possessing a strong and pungent odour. To obtain a purer product the hot crude grease is agitated with slaked lime. This treatment causes the free fatty acids to combine with the base and form an insoluble soap which settles out at the bottom of the tank, carrying with it a good deal of the colour. The supernatant liquid is thus a neutral fat, possessing an improved odour and a paler colour. The product so obtained is anhydrous wool fat or the adeps lanæ of the B.P. With regard to the chemical characteristics of wool fat the following may be noted. It obviously contains no free fatty acids, or at least very little, because these were removed during its preparation. What is left appears to be a mixture of esters and fatty alcohols. The most important and best known of the alcohols occurring in wool fat is cholesterol. This is found in all oils and fats of animal origin, and when extracted from the unsaponifiable portion of the oil is used as a means of detecting the presence of animal oils in fatty oils. It occurs, however, in much larger quantities in wool fat, which is one of the chief commercial sources of the product. The saponification value of wool fat is about 100 mg. caustic potash per gm., and this figure, together with the acetyl value, places the esters and alcohols in approximately equal parts. The specific gravity ranges from 0.94 to 0.95, whilst the melting point is between 35°-40° C. Patents have been taken out with a view to bleaching wool fat. The wool fat used as a basis for ointments, in cosmetics, and to a smaller extent in the superfatting of soap, absorbs the greater part of the lanolia produced to-day.—*L. W.* (31/7.)

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values.

28 Essex Street, W.C.2, August 2

WITH the approach of the holiday season business in most markets has been rather less in volume. The general tone, however, is quite steady. In the pharmaceutical chemicals markets a definite turn for the better in SANTONIN is recorded; prices for this article had been falling for some months and had reached a very low level. PHENACETIN is still cheap and unsteady. BARBITONE is short on spot and firm forward. In crude drugs BELLADONNA LEAVES are quoted dearer to arrive. Business in BUCHU continues to be active. COD-LIVER OIL is quiet, but prices remain steady. A fair business is passing in GUM ACACIA. IPECACUANHA remains firm. SENEGA has shown more interest this week. SENNA, fine Alexandrian hand-picked pods, are still scarce. TRAGACANTH continues very firm. In essential oils a rather better demand has been evident this week. Ceylon CITRONELLA is a shade harder for shipment. French LAVENDER is a very firm market. LEMON is in better demand. LEMONGRASS, on spot, is still scarce and wanted.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	August 2	Value of the £
Amsterdam ...	Fl. to £	12·107	7·43¾	12/3½
Berlin... ...	Mks. to £	20·43	13·00	13/7¾
Brussels ...	Belgas to £	35	21·44½	12/3½
Copenhagen ...	Kr. to £	18·259	22·39½	24/8
Lisbon ...	Esc. to £	110	109½	19/11
Madrid ...	Ptas. to £	25·22½	36⅞	29/1½
Milan	Lire to £	92·46	58¾	12/8½
Montreal ...	Dol. to £	4·86⅔	4·95	20/5½
New York ...	Dol. to £	nominal	5·03½	20/8¼
Oslo	Kr. to £	18·159	19·90½	21/11
Paris	Fr. to £	124·21	76 13/32	12/8½
Prague ...	Kr. to £	164·25	121½	13/8½
Stockholm ...	Kr to £	18·159	19·40	21/4¾
Warsaw ...	Zloty to £	43·38	26¾	12/4½
Zurich ...	Fr. to £	25·2215	15·46	12/4½

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

WITH the approach of the holiday season the volume of business has been rather less than usual this week. There is a much steadier tone in santonin at better prices. Barbitone is fully steady. Phenacetin is irregular, while phenazone is close up to agreed prices.

ACETANILID.—Market is quiet; quoted unchanged: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOL.—Meeting with fair business in small lots: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller quantities would be dearer.

AMIDOPYRIN.—Dealers are finding business quiet; some cheaper spot sellers: crystals, five cwt., 18s. 9d.; two cwt., 19s. 1¼d.; less than two cwt., 19s. 6d. per lb.; with powder, 2½d. per lb. extra.

AMMONIUM ICHTHOSULPHONATE.—Market is rather quieter but is quite steady: one cwt., 1s. 7d., in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 11d. in 8-oz. tins; and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN.—Market steady; business about average: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

ASPIRIN (TABLETS).—Tablet makers' scale of wholesale prices, as follows:—Under 5,000 tablets, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; over 1,000,000, 2s. 2d. per thousand tablets. For over one million a rebate of 1d. per 1,000 on 10 million tablets over 12 months. Wholesale distributors' prices for smaller quantities would be dearer.

BARBITONE.—Spot supplies are reported to be short and prices now asked for small parcels round about 14s. 9d. per lb. Forward quotations are very steady: two cwt., 12s. 10d.; 56 lb., 13s. 2d.; smaller parcels, 13s. 6d. per lb., f.o.b., Continent.

BISMUTH SALTS.—Makers' prices are as follows:—

—	Net Monthly Account	Net 14 days (a)		
	Under 8 lbs.	8 lbs. and under 28 lbs.	28 lbs. and under 1 cwt.	Not less than 1 cwt. (b)
	Per lb.	Per lb.	Per lb.	Per lb.
Carbonate	8/10	7/7	7/1	6/10
Citrate	11/9	10/6	10/–	9/9
Nitrate Cryst.	6/9	5/6	5/–	4/9
Oxide	13/–	11/9	11/3	11/–
Salicylate	10/–	8/9	8/3	8/–
Subchloride	12/9	11/6	11/–	10/9
Subgallate	9/8	8/5	7/11	7/8
Subnitrate	8/–	6/9	6/3	6/–

(a) If sold on monthly account, 3d. per lb. extra charged. (b) A rebate of 3d. per lb. allowed on sales of not less than 2 cwt. (either for prompt delivery or on contract) provided delivery is completed or paid for within three months. Liquor bismuthi, B.P., one winchester quart, 1s. 1½d.; 6 w-quarts, 11d.; 12 w-quarts, 9½d.; 36 w-quarts, 9d. per lb., net.

BROMIDES.—Makers' and dealers' quoted prices steady; business quiet: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

CAFFEINE.—British-made material is quoted as follows: one cwt., 7s. 6d.; 56 lb., 7s. 9d.; smaller quantities, 8s. Citrate, one cwt., 4s. 6d.; 56 lb., 4s. 9d.; smaller quantities, 5s. per lb. Dealers' prices for Continental material to come forward are unchanged, as follows: 250 lb., 6s. 6¼d.; 100 lb., 6s. 8¼d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Citrate, 250 lb., 5s. 5d.; 100 lb., 5s. 5¾d.; 50 lb., 5s. 7d.; less than 50 lb., 5s. 8¼d. per lb., net, carriage paid on minimum 50-lb. lots. Packages from 5 lb. and upwards free.

CALCIUM LACTATE.—Business slow; market steady: spot, one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2½d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—British material commands the market: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. per lb.; 28-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Competition is keen for a very fair volume of business. British makers quoting at 9d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering foreign material at very keen prices.

CREAM OF TARTAR.—Market is steady; business sustained. British 99 to 100 per cent. quoted at 82s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers are quoting foreign material at competitive prices.

ETHER (METHYLATED).—Makers' prices are as follows: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb., in w-quarts; 12 w-quarts, half-penny less and packed in drums or carboys 1d. less.

EUPHYLLIN.—Makers' prices are steady: tablets, 0.1 gm., tubes of 20, 35s. per doz.; bottles of 100, 156s. per doz.; bottles

of 250, 384s. per doz. Retail prices, 3s. 6d., 15s. 6d. and 38s. each. Powder, bottles of 50 gm., 54s. 2d.; retail, 65s. per bottle. Ampoules and suppositories are also at higher prices.

GUAIACOL CARBONATE.—Dealers' prices are maintained: two cwt., 9s. 10½d.; one cwt., 10s. 0½d.; less than one cwt., 10s. 2¾d. per lb.

HYDROQUINONE.—A fair business in limited quantities is recorded. Makers' prices for one delivery and for contracts are unchanged.

IODIDES.—Makers' scales of prices for these salts are about unchanged. Business has been rather quiet. Crude iodine, 14s. 8½d. per kilo.

LACTIC ACID (B.P.).—A limited business, with prices quoted on a competitive basis: quantities in carboys, 1s. 4¾d. to 1s. 5½d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—Scales of prices for these salts are fully steady at former figures.

METHYL SALICYLATE (B.P.).—Market is keeping steady ; business quiet: ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices are quoted steadily in sterling: two cwt., 17s. 6d.; one cwt., 17s. 11d.; 56 lb., 18s. 4d.; small parcels, 19s. 3d. per lb.

METOL.—Seasonal business in limited quantities: 28 lb., 9s. 6d.; 14 lb., 9s. 9d. per lb., carriage paid. Wholesale distributors' prices for smaller quantities would be dearer.

PHENACETIN.—This market is irregular, with not much business moving and cheap offers noted. Crystals or powder, five cwt., 3s. 4d.; two cwt., 3s. 5d.; one cwt., 3s. 6½d.; 56 lb., 3s. 8d.; smaller parcels, up to 4s. 3d. per lb.

PHENAZONE.—Market is doing business at close up to the controlled prices: crystals, five cwt., 10s. 7¾d.; two cwt., 10s. 10d.; and less, up to 11s. 6d. per lb.; with powder, 2½d. per lb. extra.

PHENOLPHTHALEIN.—British material is being quoted at former figures: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYL ETHYL BARBITURIC.—Business has been limited, with prices holding at about 28s. 6d. to 30s. per lb., in 2-lb. bottles.

PYROGALLIC ACID.—The demand for limited quantities is fair ; market steady: 56 lb., 7s. 9d.; 28 lb., 8s.; 14 lb., 8s. 6d.; 7 lb., 9s. 3d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller quantities would be dearer.

QUININE SALTS.—Sulphate, 2s.; bisulphate, 2s.; ethyl carbonate, 2s. 7½d.; salicylate, 2s. 8d.; phosphate, 3s. 1d.; hydrochloride, 2s. 6¼d.; bihydrochloride, 2s. 9½d.; hydrobromide, 2s. 6¾d.; bihydrobromide, 2s. 9½d.; valerianate, 3s. 5¾d.; hypophosphite, 3s. 8¾d.; alkaloid, 2s. 9¾d. per oz., carriage paid on bulk quantities.

RESORCIN.—Prices for British material are steady: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

SALICYLIC ACID (B.P.).—Market is steady, with occasional inquiry: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. 1d. per lb.

SALOL.—Market is dull: spot, crystals, two cwt., 3s. 10d.; one cwt., 3s. 11½d.; 56 lb., 4s.; smaller parcels, up to 4s. 3d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—There has been a distinct turn for the better in this market. After months of continually declining sales prices, reaching down to under £9, the market is now fully steady, with the chief sources now asking in the region of £11 per kilo. There is a possibility of further recovery in values, but it is understood that the recent advances are not the result of an agreement between the sources of supply. Prices on the Continent have advanced in sympathy with this market.

SODIUM BENZOATE (B.P.).—Business continues on a moderate scale at keen prices: spot, one cwt., 1s. 7d. and less for bulk lots ; smaller parcels, up to 1s. 11d. per lb.

SODIUM DIETHYLBARBITURATE.—Market is steady but rather dull: spot, one cwt., 13s.; 56 lb., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; smaller parcels up to 15s. per lb.

SODIUM SALICYLATE (B.P.).—The scale of prices is steady ; a little inquiry: home trade, powder or crystals, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Dealers' sterling prices are unchanged, some scale cutting noted: crystals or powder, two cwt., 14s.; one cwt., 14s. 5d.; 56 lb., 14s. 7d.; smaller parcels, up to 15s. per lb.

STRYCHNINE SALTS.—Makers' prices are fully steady:—

——	Under 16 ozs.	16 ozs.	35 ozs.
	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.
Alkaloid cryst.	2 8½	2 7	2 6½
Alkaloid powder	2 7½	2 6	2 5½
Bisulphate	2 2½	2 1	2 0½
Hydrochloride	2 5½	2 4	2 3½
Nitrate	2 3½	2 2	2 1½
Sulphate cryst.	2 4½	2 3	2 2½

25-oz. containers free ; 1-oz. bottles, 2½d.; 2-oz. bottles, 3½d. Other conditions as usual. Lower prices for bulk quantities. Wholesale distributors' prices for smaller quantities would be dearer.

TARTARIC ACID (B.P. CRYSTALS).—Market continues fairly busy. British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering foreign material at keen prices.

THYMOL.—The Convention prices for British and foreign are as follows: synthetic, fine white, two cwt., 5s. 7d.; one cwt., 5s. 9d.; 56 lb., 5s. 11¼d.; 28 lb., 6s. 3½d.; less, 7s. per lb.; ex ajowan seed, one cwt., 8s. 3d.; 56 lb., 8s. 6d.; 28 lb., 9s.; 14 lb., 10s. per lb.

VANILLIN.—The market is about steady at the recently revised scale: ex guaiacol or clove oil, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

Crude Drugs, etc.

AGAR.—The shipment market still remains quiet with prices fully maintained: spot, Kobe No. 1, 1s. 11d.; No. 2, 1s. 9½d.; Yokohama No. 1, 1s. 9½d. per lb.; shipment, Kobe No. 1, 1s. 8¼d.; No. 2, 1s. 7¼d.; Yokohama No. 1, 1s. 7¼d. per lb., c.i.f.

ANTIMONY.—Values are unchanged ; market steady: Chinese crude, spot, £24 ; shipment, £19 10s., c.i.f.

BALSAMS.—Spot prices are as follows: *Canada*, 2s. 1d.; *Capivi*, 1s. 4d.; *Tolu*, 2s. per lb.

BELLADONNA LEAVES.—Quoted dearer at 72s. 6d. per cwt., to arrive.

BUCHU.—Business still continues active, and the market remains firm at full prices. Spot supplies are very much reduced. Good green round leaves are fetching from 1s. 3d. to 1s. 4d. per lb., on the spot.

CAMPHOR.—The market remains unchanged and quiet: spot, slabs, 2s. 0½d.; flowers, 2s. 1d.; tablets, 2s. 4½d. per lb.; shipment, slabs, 1s. 9¼d.; flowers, 1s. 9½d.; tablets, 2s. 1d. per lb., c.i.f. English refined is still unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CASCARA SAGRADA.—Continues in fair demand, and offers from the coast are still difficult to obtain. For August-September shipment, 36s. per cwt., c.i.f., for minimum car-load lots, is wanted for new season's peel. On the spot the market is unchanged, and one-year-old peel is available at 43s. to 46s. per cwt.

CHAMOMILES.—Small arrivals are expected in about a week's time ; prices are very steady to rather dearer.

CLOVES.—Quoted values are steady: Zanzibar, spot, 5½d.; shipment, October-December, 5¼d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended July 28 were *nil* and the deliveries 164, leaving a stock of 4,240. From January 1 to date landings of Zanzibar have been 3,762 and the deliveries 2,044. Landings of Madagascar for the week ended July 28 were 14, and the deliveries 44, leaving a stock of 767. From January 1 to date, landings of Madagascar have been 296 and the deliveries 511 packages.

COCOA BUTTER.—The market remains steady, with prime English quoted at 9d. to 10½d. per lb., as to quantity.

COCONUT (DESICCATED).—The market remains about steady: spot, fine, 14s. 6d.; mediums, 14s. 6d.; shipment, halves, August-September, 13s. 4½d. per cwt., c.i.f.

COD-LIVER OIL.—The market is rather quiet, as is usual at this period of the year, but prices remain steady. Finest Norwegian non-freezizng steam-refined medicinal oil for shipment is quoted at from 88s. to 90s. per barrel, c.i.f. London. Spot, in small lots, about 132s. per barrel, ex store. Newfoundland, finest non-freezing medicinal oil, 132s. 6d. per barrel, ex store. British, finest non-freezing medicinal oil, 125s. per barrel, c.i.f. London, duty free.

DERRIS ROOT.—Spot prices remain very firm, with little coming forward at present.

GELATIN.—Prices are unchanged, with a steady demand: German, gold leaf, 2s. 4d.; silver leaf, 2s. 2d.; bronze leaf,

1s. 10d.; plain leaf, 1s. 8½d. per lb. French, gold leaf, 1s. 10d.; silver leaf, 1s. 8d.; bronze leaf, 1s. 6½d. per lb., in cwt. cases. British, No. 1, 80s.; No. 2, 70s. per cwt., in bags, carriage paid, less 2½ per cent. discount.

GUM ACACIA.—Continues very active, and a fair business is passing. Shippers are not keen sellers, except at full prices. Kordofan cleaned sorts, 37s. per cwt., c.i.f., for July-August shipment. Spot, 37s. 6d. per cwt. Bleached is steady at from 67s. 6d. to 72s. 6d. per cwt., according to quality.

HENBANE.—The new crop is expected in about ten to fourteen days.

HENNA LEAVES.—Egyptian new crop is now near at hand.

IPECACUANHA.—The firm tone reported last week has been fully maintained, and available supplies on the spot are very difficult to find. One or two parcels afloat are very firmly held, and spot Matto Grosso might be bought in small lots at from 4s. 6d. to 4s. 9d. per lb.

LIQUORICE ROOT.—In good supply at about £15 per ton.

LOBELIA HERB.—Continues very firm, and shippers are not anxious to make offers on account of the uncertainty of the new crop. Business is possible in the neighbourhood of 1s. 3d. per lb., c.i.f.

LYCOPODIUM.—Supplies of treble-sifted are offering at about 2s. 8d. per kilo., on spot.

MENTHOL.—This market remains quiet, though fully steady: K/S brands, spot, 10s. 6d.; in bond, 9s. 6d.; shipment, July-August, 9s. 7½d.; October-December, 9s. 6d. per lb., c.i.f. Prices from Japan keep steady at from 10s. to 10s. 1½d.

PEPPER.—This market remains steady: Lampong, spot, 5¼d.; shipment, August-October, 4⅝d.; October-December, 4 3/16d. per lb., c.i.f. Tellicherry, spot, 5⅝d. Aleppy, spot, 5d. per lb. White Muntok, spot, 9½d.; shipment, August-October, 8 11/16d.; October-December, 8⅞d.

PIMENTO.—This market continues quiet: spot, 3d. per lb.; shipment, August-September, 23s. per cwt., c.i.f.

SEEDS.—ANISE.—Spot, duty-paid Spanish, 67s. 6d.; Bulgarian, 45s. CANARY.—Mazagan, quoted at 17s. 3d., duty paid. CARAWAY.—Dutch on offer at 38s., duty paid, and 32s. 6d., f.o.b. Holland. CORIANDER.—Spot, Morocco, quoted at 18s. 6d.; new crop, for shipment, 12s., c.i.f. CUMIN.—Malta, on spot, 57s. 6d., and for shipment, 43s., c.i.f. No Morocco to be had on spot: shipment price quoted at 45s., c.i.f. FENUGREEK.—Tunisian, 14s., spot; Morocco, 12s. 6d., duty paid. MUSTARD.—English, 18s. to 28s. per cwt., according to quality.

SENEGA.—Has shown more interest this week, and a fair business has been done for shipment. Spot is available at from 1s. 3½d. to 1s. 4d. per lb. Shipment, 1s. 1¾d. to 1s. 2d. per lb., c.i.f., for fair quantities.

SENNA.—The acute shortage of finest-quality Alexandrian hand-picked pods continues unchanged, with little prospect of the position becoming easier this year. This season's shipments have been remarkably small and present arrivals show a very poor quality. It would appear that extremely high prices will be seen during the next few months for any pods of good quality, and there is little likelihood of any large orders being executed. Holders of second-grade pods have advanced their prices, and as this quality will have to take the place of No. 1 goods until the next crop becomes available about the beginning of next year, further advances are likely to be seen in the meantime. Tinnevelly: the market remains unchanged, with a steady demand for both leaves and pods.

SHELLAC.—Spot, standard TN orange, 97s. to 102s.; fine orange, 125s. to 150s.; pure button, 122s. 6d. per cwt. For delivery, TN, August, 99s. 6d.; October, 102s.; for arrival, TN, August-September, 97s. per cwt., c.i.f.

SQUILL.—New crop now afloat at about 25s. per cwt., c.i.f.

STRAMONIUM LEAVES.—The new crop is expected about the end of August; there is little change in prices.

TRAGACANTH.—Market continues very firm, and during the month the stocks held in public warehouse are reported to have been considerably reduced. This decrease has been accentuated by the very small arrivals. Business continues steady in the fine and medium grades, whilst there has been an improvement in the industrial qualities during the past few days.

WAX (VARIOUS).—BEES'.—Spot supplies are still difficult to obtain and prices are firmly maintained: Benguella, spot, 105s. per cwt.; shipment, 89s. per cwt., c.i.f. Abyssinian, spot, 110s.; shipment, 87s. 6d. per cwt., c.i.f. Dar-es-Salaam, spot, 110s.; shipment, 97s. per cwt., c.i.f. Madagascar, spot, 102s. 6d.; shipment, 82s. 6d. per cwt., c.i.f. Conakry, no spot supplies; shipment, 87s. per cwt., c.i.f. CARNAUBA continues quite steady, with small offers from origin. Fatty grey, spot, 107s. 6d.; in bond, 98s.; afloat, 95s.; shipment, August-September, 95s. per cwt., c.i.f.; November-December shipments, 83s. per cwt., c.i.f. Chalky grey, spot, 100s.; in bond, 92s. 6d.; shipment, 80s. per cwt., c.i.f. Primeira, spot, 160s.; in bond, 145s.; shipment, 145s. per cwt., c.i.f. November-December shipment, 128s. per cwt., c.i.f.

Essential Oils, etc.

A RATHER better all-round demand has been evident this week. New crop caraway oil is now available. Cassia remains quiet. Ceylon citronella a shade harder for shipment. French lavender is a very firm market. Lemon is in better demand. Lemongrass on spot still scarce and wanted.

ANISE (STAR).—The market is quiet and prices are fully steady at former rates: spot, "Red Ship," in leads, 1s. 10½d.; in tins, 1s. 8½d.; in drums, 1s. 7½d.; shipment, in leads, 1s. 8¾d.; in tins, 1s. 7½d.; in drums, 1s. 7½d. per lb., c.i.f.

BERGAMOT.—The shipment market is dull at about 5s. 2d. to 5s. 3d. per lb., c.i.f., as to brand and quantity. Spot oil is quoted at about 5s. 6d. per lb.

BOIS DE ROSE.—The spot value of Brazilian is held at about 4s. 9d. to 5s. per lb.; shipment is quoted at 4s. 6d. per lb., c.i.f.

CAJUPUT.—This market has been rather dull. Spot, 2s. to 2s. 3d.; green, 1s. 9½d. to 1s. 11d. per lb., as to quantity.

CARAWAY.—New crop oil is now available. Dutch rectified, five cwt., 8s. 5d.; one cwt., 8s. 9d.; smaller quantities up to 9s. 4d. per lb. Crude, 5d. per lb. less.

CASSIA.—This market still remains quiet. Spot, about 3s. 10d. per lb.; shipment, 3s. 1d. per lb., c.i.f. nominal.

CINNAMON LEAF.—Business has been fair: Ceylon oil, spot, about 2s. 9d. to 3s. per lb., as to quantity.

CITRONELLA.—Java oil, shipment, about 1s. 3d. per lb., c.i.f., for quantities: spot, in small lots, about 1s. 6d. to 1s. 7d. per lb. Ceylon, a shade harder for shipment, about 1s. per lb., c.i.f.; spot, about 1s. 3½d. per lb.

CLOVE.—A fair amount of inquiry has been received. English-made, B.P., 3s. 6d. to 3s. 10d. per lb., as to quantity and source. Madagascar, spot, 3s. 4d. to 3s. 6d.; shipment, 2s. 5d. per lb., c.i.f.

EUCALYPTUS.—A moderate inquiry with the market unchanged. Empire oil, 70 to 75 per cent., 11½d. to 1s.; 80 to 85 per cent., 1s. to 1s. 1d. per lb., landed. Spanish, 70 to 75 per cent., 1s. 2d. per lb., c.i.f.

LAVENDER.—Market is very firm; quotations are coming forward at 135 to 150 francs. Spot, finest genuine French, 38 to 40 per cent., 16s. per lb.

LEMON.—There has been a slightly better demand in this market. Sicilian hand-pressed, from 3s. 4d. to 3s. 8d., c.i.f., as to source. Spot oil has moved in small lots at about 3s. 6d. to 3s. 9d. per lb. Californian, in large drums, 1s. 10¾d.; in small drums, 1s. 11¼d.

LEMONGRASS.—Spot still scarce and wanted. Shipment firmer at about 2s. 9d. per lb., c.i.f.

PALMAROSA.—This market remains neglected: spot, about 5s. 3d. per lb.

PEPPERMINT.—The market handling the Japanese product has been rather quieter. Spot, about 4s.; shipment, July-August, 3s. 10½d.; October-December, 3s. 9½d. Japanese shippers are quoting about 4s. 3d. to 4s. 4d. per lb., c.i.f. American natural oil, in drums, for shipment, about 3 dollars 65 cents per lb., c.i.f., subject to acceptance; spot, 15s. to 16s. per lb., in limited supply.

SPEARMINT.—The spot market is quoted from 8s. 6d. up to 8s. 9d. per lb.

WORMSEED.—Occasional small spot business at about 8s. 6d. to 8s. 9d.; shipment, about 7s. 6d. per lb., c.i.f.

The following are current quotations for synthetics, etc.:—ACETOPHENONE, 6s. to 6s. 4d. per lb.; AMYL ACETATE, pure, 122s. 6d. per cwt., technical, 107s. 6d.; AMYL SALICYLATE, 2s. 3d. per lb. for cwt. lots up to 2s. 9d.; AUBEPINE, ex para cresol, 8s. 3d. to 8s. 9d. per lb.; BENZALDEHYDE, f.f.c., 2s. 1d. to 2s. 6d. per lb.; BENZYL ACETATE, 1s. 6d. to 1s. 10d. per lb.; BENZYL ALCOHOL, cwt. lots, 1s. 8d. up to 2s. 3d. per lb. for small lots; BROMSTYROL, 100 per cent., 10s. 6d. to 11s. per lb.; BUTYRIC ACID, 3s. 3d. to 3s. 6d. per lb.; CITRAL, chemically pure, 8s. to 8s. 6d. per lb.; COUMARIN, 7s. 9d. to 9s. per lb.; ETHYL PHTHALATE is steady at 2s. to 2s. 3d. per lb.; EUGENOL, 7s. 6d. to 8s. per lb.; GERANIOL, ex palmarosa, 16s. to 18s. per lb.; HELIOTROPIN, 100 per cent. crystals, 4s. 11d., in cwt. lots, up to 5s. 9d. per lb., as to quantity; ISO EUGENOL, 9s. 6d. to 10s. per lb. METHYL ANTHRANILATE, 7s. 3d. to 7s. 9d. per lb.; MIRBANE is quoted at 7d. to 8d. per lb.; MUSK, KETONE, 33s.; AMBRETTE, 30s.; XYLOL, 8s. per lb., with bonus for quantities, some outside offers may be slightly cheaper; PHENYL ETHYL ALCOHOL, 8s. to 8s. 6d. per lb.; TERPINEOL, 1s. 4d. for ton lots up to 1s. 9d. per lb. for small parcels.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

The Chemists' Birthright

SIR,—I am glad that you are helping us who are domiciled outside the United Kingdom to have our names kept on the Register. I think that the only benefit I should get from paying the retention fee to the Pharmaceutical Society would be a paper I do not want!

Yours faithfully,
A. C. SNOW.

Vichy.

The Future of Apprenticeship

SIR,—I have read with interest the reflections on the new regulations for the training of apprentices in the *C. & D.* of July 21 (p. 67), and I am the more interested because I have never taken an apprentice. I do not consider the conditions of pharmacy as carried on in the average shop to-day are at all suitable for training an apprentice fully. When I served my own apprenticeship I was employed in making many products which are now bought almost entirely from the drug houses. Although there was no panel dispensing in those days, we had the old arrangement with several doctors to supply mixtures at a flat rate with plain labels, so that when the apprenticeship was completed there were few processes we were unable to perform. But although I still adhere to the principle of making everything one can in the pharmacy, under the present stress of competition and heavy overhead expenses I do not think it is a working proposition to employ apprentices, that is to say if one intends to train them properly. The current retail prices compel one to buy at the lowest rate, and the present charges for tinctures and milled ointments, to mention only two classes, are lower than if one makes them. The dispensing is mostly insurance scripts, which come in the rush hour before closing; it is necessary to be able to dispense quickly and accurately, and an apprentice would be in the way if one is to carry out the employer's part of the contract fairly. I consider that for the first year at least the apprentice should have a definite number of hours' personal tuition daily with constant supervision, and there are few pharmacies where this could be done. The enforcement of the rules as they stand at present can only mean that many pharmacists will discontinue taking apprentices. This may lead to more employment of cheap girl labour, ostensibly to do packing and to fill up stocks; but these girls are usually soon promoted to serve customers and become unqualified juniors.—Faithfully yours,

UNTAKEN (30/7).

Chemists the "Slaves" of the Public

SIR,—Chemists may be rightly called the "slaves" of the public. "Your hours are terrible and ridiculous," a man said to me. In this Irish provincial town we open at 9 a.m. and close at 11 p.m. or 11.30 p.m., which means about 13 working hours, excluding meal-times. The unqualified young man or girl who wishes to attend night lectures has four free nights on which to do so, the other three being working nights. From these four the Sunday night can be cut out, and, in 80 per cent. of the cases, Saturday night, leaving two nights a week for lectures. Taking one subject at two nights a week during an "educational" year, which is very short, it will take two or perhaps three years to do one subject thoroughly, or from eight to twelve years to prepare for the final, without staying up overnight studying. This is a great encouragement to any ambitious boy or girl. And why all this? First Mr. A, the chemist, will not close until Mr. B closes lest he loses the sale of a penny packet of salts to Mr. B. Next, John or Mary So-and-so comes in at the ridiculous hour of 10 or 11 o'clock at night for his or her "penn'orth" of salts—but John or Mary does not go knocking at the draper's door at this hour. What is the cure for this? The chemists, if they refuse to agree mutually, should be compelled to close at 7 p.m. at the latest. This would give ample time to the buyer and make business a bit brisk. With regard to prescriptions, from 80 to 90 per cent. of them could wait a few hours, and those urgently required should be marked "Urgent" by the physician, which would entitle the chemist to dispense the medicine, the first time, after hours, and the mark should then be torn or crossed out. Could not some of our societies wake up and try to do something about this "slavery" question?—Yours, etc.,

JUST AN APPRENTICE (24/7).

The Value of a Reputation

SIR,—The letter from "W. L. Known" in your issue of July 28 (p. 159) is very sound. Every time that a chemist offers a "cheap" substitute for a well-advertised proprietary he tends to do three things:—(1) Force the manufacturer of the proprietary to put on a smaller, cheaper size; (2) play into the hands of the 3d. and 6d. dealers; (3) lower the standing of the qualified chemist to the level of such dealers.—Yours faithfully,

P. G. E. WARBURTON (Morse Sales Co.).

London, E.C.1.

The No-Charge Policy

SIR,—Those chemists who contend that it is a bad policy to charge for developing when photographic films turn out to be unprintable, on the ground that the customer gets tired of paying for nothing and gives up photography altogether, may be interested to learn my first experience of making no charge. Up to the present I have charged the usual 6d. for developing in every case, as I consider that the work done should be paid for, faulty exposure not being the mistake of the retailer but of the customer. But one day I had a spool which was completely blank, so I thought I would adopt the new idea of making no charge for developing it; but on saying "No charge" the customer promptly replied, "I suppose that is because you have spoilt it in developing." I have now reverted to the commonsense method.

Yours faithfully,
CHARGEM (23/7).

The Conference Delegates' Meeting

SIR,—In the opinion of many of the more thoughtful members of the Pharmaceutical Society who attended the Leeds meeting of the Conference, or who have read carefully your reports of it, the two outstanding addresses, both in their import and in their implications, are "The Society's Educational Policy" (p. 148) and "Some Personal Reflections on the Poisons and Pharmacy Act, 1933" (p. 150). They are important because in the first instance the address was by the secretary of the Society, and in the second by a member of the Poisons Board and of the Statutory Committee who for many years has taken a very active part in the work which led up to the passing of the 1933 Act. Taken together the addresses may be described as indications of what pharmacy may be, in the future, on the educational side and on the side in which most of us have to be more particularly interested—the obtaining of a livelihood. The importance of the two addresses may also be gauged by the expressed reactions of the delegates to whom they were addressed. On the purely academic aspect of the Society's educational policy I feel I have no comment to make, except to doubt the wisdom of allowing a candidate to go straight through from school to academic qualification without any apprenticeship or practical shop training. It is true that registration would only be given when the training had been finished, but from experience of those who have taken the B.Pharm. degree first and their shop or practical training afterwards, I am of opinion that the reversal of the usual process of learning to walk before one runs results in a somewhat impractical and

visionary type of worker, who takes some time to get over the drawbacks of his way of entry into pharmacy. It is when one tries to visualise a condition of pharmacy implied in the speech of the secretary—a condition utterly different from that of the calling to-day—that the seriousness of the situation begins to be realised. For, it should be noted, the new syllabus is "well on its way." Those entering pharmacy in the future must have capital behind them; to this extent entrants to pharmacy will be restricted. Restriction will also be exercised because of the difficulty of finding pharmacies wherein candidates can obtain the statutory training. When the training has been completed, what will the calling have to offer? We are told that new vistas of usefulness will open to the pharmacist; he will be no "mere dispenser" or hander out of "ready compounded articles," but will walk hand in hand with the physician, surgeon, radiologist and biochemist. As in any ordinary town there is not likely to be sufficient work along these lines for more than one or two men, either there will be cutting of fees or prices, or the more scientific side of the calling will be dropped and the pharmacist will sell, as he now does, side-lines to help eke out a living. Turning to the second address, particularly under the heading "gains and losses," we find no dreams of a pharmacy in a rosy light, but rather a state of affairs is envisaged which gives more play to the "mere dispenser." Prescribing must be separated from dispensing; medical service schemes must be developed and the dependants of insured persons brought in either to the National Health Insurance scheme or to a similar one. Here is something practical, but there is not much money in it! Presumably, therefore, it will still be necessary for the pharmacist to sell proprietaries, toilet goods, photographic materials and the like to make up his income. And so we return to the selling of razor blades and the packing of Epsom salts for slimming purposes, thankful that by these and similar means we can keep the wolf from the door.—Yours, etc.,

COUNTRY CHEMIST (31/7).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics

Ferrous Chloride

The Conference paper on the preparation of a stable form of ferrous chloride (*C. & D.*, July 21, p. 90) recalls the fact that the B.P. Addendum of 1890 had a syrup of subchloride of iron the formula of which appears in "Pharmaceutical Formulas," Vol. I, p. 555. [The B.P. Addendum formula was not improbably evolved from one devised by the late Mr. William Gilmour and first published in the *C. & D.* of June 15, 1881 (p. 251).—EDITOR.] It had a short pharmacopœial life, for it did not reappear in the B.P. of 1898. I do not know that I have ever been confronted with such a difficult problem as the preservation of ferrous sulphate in aqueous solution—unless it was how to keep off the dole and out of the workhouse. I could fill a good column on the methods employed during the past fifty years.—*Abel Scholar.*

Business from Recreations

Recreations undoubtedly bring business for the supply of accessories to many traders, but not always to the chemist. I have tried most of the suggestions of "A. S." (*C. & D.*, July 21, p. 122) at one time or another, but I have not found that there was very much extra business in them for various reasons. Bathing caps are now sold by the drapers at prices lower than the chemist can buy them. Ambulance cases are advertised to cyclists by their associations at 1s. each; vacuum flasks, wrist straps and elastic hosiery are sold by the sports outfitters as a side-line. With sunburn lotions, gnat-bite cures and embrocations I have had good sales, but these are sold now by outfitters, and even the bazaars sell bottles of lavender oil and suntan preparations. In spite of the phenomenal summer photography does not seem to have had any signs of a boom.—*Variety* (31/7).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. M. (19/88).—PERFUMES FOR BRILLIANTINES.—Rhodinol is particularly suitable as an oil-soluble perfume, but its cost precludes its use for cheap articles. You will find a selection of formulas embodying various combinations for perfuming liquid paraffin in *The Chemist and Druggist Diary*, 1934, p. 264. In addition to the formulas given in the *Diary*, the following yields a cheap and pleasant perfume which is completely soluble in mineral oil:—

Geraniol	℥x.
Phenyl ethyl alcohol	ʒiij.
Hydroxy citronellal	ʒiv.
Benzyl acetate	ʒij.
Linalol	ʒij.
Santalol	ʒj.

J. R. B. (17/78).—WATERPROOF CREAM.—Any ointment base without water can be used for making a waterproof cream. The following combination is particularly suitable:—

White soft paraffin	40
Beeswax	10
Liquid paraffin B.P.	10
Hydrous wool fat	5
Tincture of benzoin	5

Warm the wool fat and rub down with the tincture of benzoin, then incorporate the liquid paraffin, melt the white soft paraffin and wax together and add to the mixture of wool fat, tincture of benzoin and liquid paraffin and mix until homogeneous. If the resulting cream is too thick the amount of liquid paraffin may be increased, but the stiffer the cream the greater the protection against salt water. If the cream is intended to mask skin blemishes the following addition may be made:—

Zinc oxide	5
Calamine	5
Fuller's earth	3

Rub the powders with a little liquid paraffin before adding to the cream.

F. B. (17/88).—CINÉ FILM CEMENT.—Formulas for film cements are as follows:—

I		II	
Glacial acetic acid ...	1 part	Glacial acetic acid ...	1 part
Collodion flexile ...	4 parts	Amyl acetate ...	2 parts
		Acetone	2 parts

III

Acetic ether	3 oz.
Acetone	1 oz.

Dissolve in it one foot of film.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," August 15, 1884

British Pharmaceutical Conference

There was a special interest attaching to the meeting of the British Pharmaceutical Conference just concluded at Hastings, partly for the reason that it was the first time the Conference had attempted to run alone out of London, and partly because for the first time no bribes of free luncheons and free picnics were offered to induce attendance. . . . It was anticipated that Mr. Williams [president] would give his audience the benefit of his special chemical knowledge, and it soon appeared that a scientific review was to be the staple of his address. . . . As a minor result of modern investigation, Mr. Williams foresees the day when carbonic acid will be served at the dinner table, "each guest chipping off a portion," and thus being enabled to cool his wine and aerate it at the same time. . . . The address concluded with a reference to the possible but still remote International Pharmacopœia. . . . .

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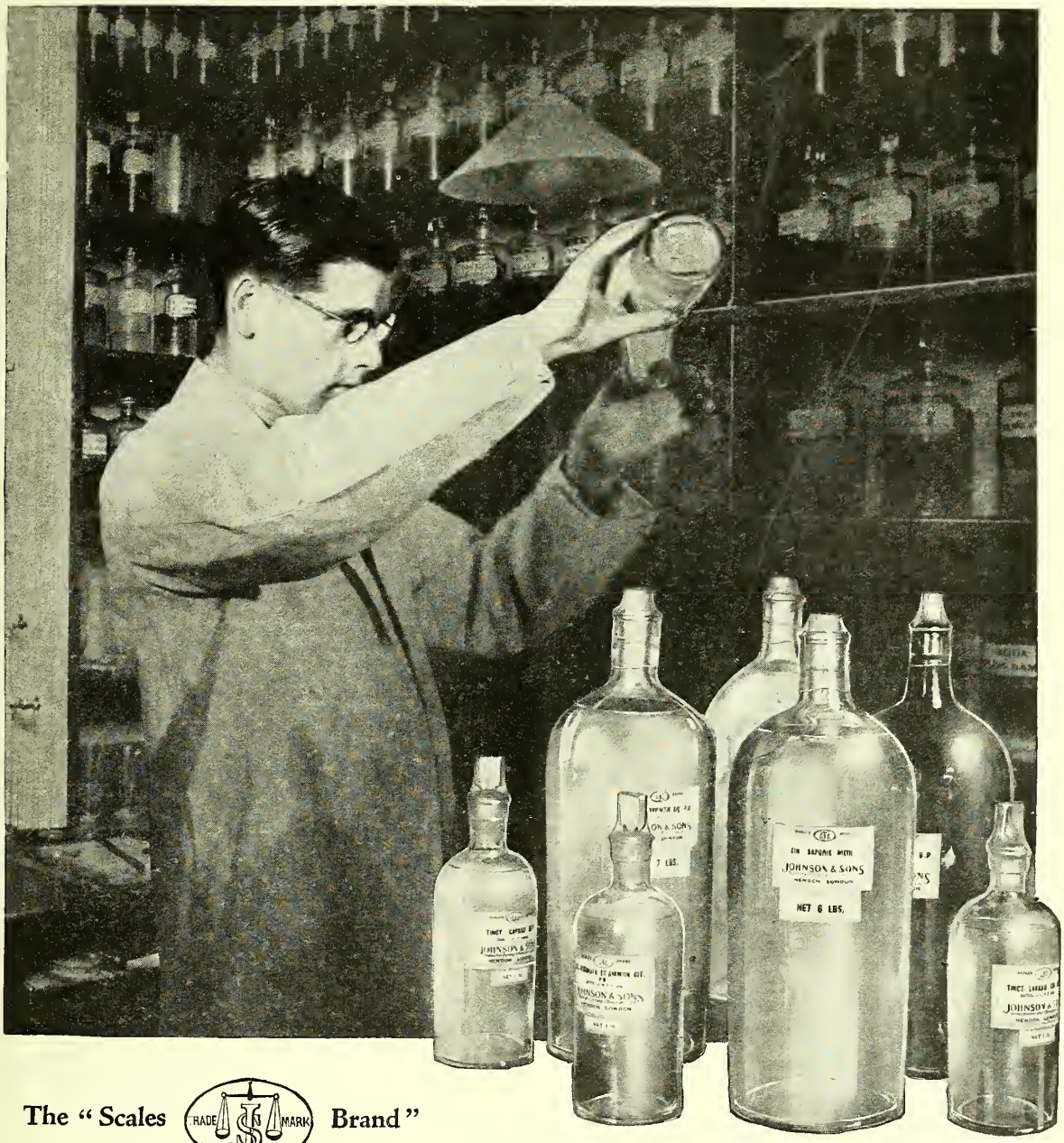

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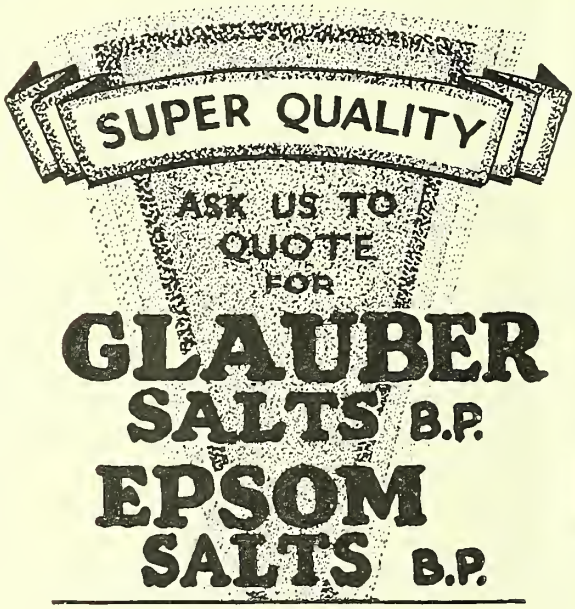

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BALHAM, LONDON, S.W.17

JONES *for* METHYLATED SPIRIT

ALL STRENGTHS IN STOCK
PROMPT DELIVERIES IN CASKS, DRUMS OR TANK LORRY

Send your enquiries to
JONES & CO. *(METHYLATORS)* Ltd., Bow, London, E.3
Telegrams: "Methspirit, London." *Telephone: Advance 3210 (2 lines)*

JUST RELEASED 'ASPRO' SUMMER DISPLAY

Bright and Artistic

ORDER NOW

The new Summer window show for 'ASPRO' is just released — just in time to get you all the benefits of an 'ASPRO' show during the holiday months. Send a postcard to-day and we will send you this attractive full-colour sales-promoting show by return of post. It will add distinction and freshness to your window and prove a real sales getter. Attractive windows stir up business, so why not change your window and feature the new 'ASPRO' summer display. Here's an illustration of it.

ARE YOU INCREASING YOUR SALES BY USING 'ASPRO' CHEMISTS' ENVELOPES AND BAGS?

IF NOT — SEND FOR A SUPPLY TO-DAY

Kristal Envelopes - -	2/6 per 1,000	Cash with Order
Greaseproof 2oz. Bags -	1/- per 1,000	
Greaseproof 2oz. Bags (long)	1/6 per 1,000	

Agents:
GOLLIN & CO. PTY. LTD.
('Aspro' Dept.), SLOUGH, Bucks.
Telephone: SLOUGH 608

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made by ASPRO LTD., Slough, ENGLAND

No proprietary right is claimed in the method of manufacture or the formula.

'ASPRO' REGISTERED TRADE MARK

MEET THE CONSTANTLY INCREASING DEMAND FOR PURE

BEER

EASILY MADE AT HOME

FREE YEAST WITH EACH TIN

FOR 1D PER PINT ALE OR STOUT

SIMPLY ADD COLD WATER

FROM

VIGGORMALT (Registered)

THE PURE TRIPLE-STRENGTH IMPROVED EXTRACT OF

RICH MALT & HOPS ONLY

(NO ADULTERATION OR ADDED COLOURING)

TRIAL SIZE 1/- PER TIN | 3 times quantity 2/6 | 8 " " 5/6 | 13 " " 8/- | PER TIN

NO BOTTLES CRATES BREAKAGES ULLAGES RETURNS LOSSES

DISPLAY MATERIAL AND LIBERAL TERMS FROM

Viggormalt Distributors—

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1

Sole Manufacturers—VIGGORMALT LTD., Hove, Sussex

D C L BRAND

YEAST

This famous Brand of Yeast is now available for Medicinal use in—

TABLET FORM

60 Tablets 1s. 6d. 120 Tablets 2s. 6d.

Retail Discount 33⅓%. Wholesale Discount 16⅔%.

All Orders Carriage Paid.

Can now be obtained in Cartons of 1 and 2 doz. bottles, containing 60 tablets, and Cartons, containing 1 dozen bottles of 120 tablets.

Supplies now available through usual Wholesale channels, and from The United Yeast Co., Ltd., London, Birmingham, Bristol, Leeds, Manchester and Newcastle, or from

THE DISTILLERS CO., LTD.

EDINBURGH

THE USE OF "D.C.L." YEAST WILL PROMOTE BETTER HEALTH AND IS RECOMMENDED FOR IMPROVING THE CONDITION OF THE BLOOD AND FOR THE TREATMENT OF SKIN ERUPTIONS, CONSTIPATION, INDIGESTION AND NERVOUS DISORDERS.

FINEST PURE LOFOTEN

COD LIVER OIL

Trade Mark AA

BRÖDR AARSÆTHER A/S AALESUND, NORWAY

VETERINARY COD LIVER OIL A SPECIALITY

SOLE AGENTS FOR U.K. (EXCEPTING SCOTLAND)

Freudentheil, Smith & Co.

21 MINCING LANE, LONDON, E.C.3

Tel. Add.: "Freudenruf" *Tel. No.:* Royal 6600

STOCKS HELD IN LONDON

AGENT FOR SCOTLAND: ANDREW STEVEN & SON, GLASGOW

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P. 1914.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

ESTABLISHED 1793.

The Best and Safest Infants' Medicine of over 130 years' standing.

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

Does not contain any Scheduled Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER

VITAMINS A and D
IN THE RIGHT PROPORTION

Scientific investigations have shown that the human body requires a minimum supply of vitamins which must not only be quantitatively adequate but which should be administered in the right proportion.

Scientists concur in the opinion that Norwegian Medicinal Cod Liver Oil contains vitamins A and D in necessary quantities and in the right proportion i.e. 500 vitamins A and at least 200 vitamins D per gram.

It is also an established fact that vitamins from a natural source, as afforded by Norwegian Medicinal Cod Liver Oil, are more beneficial in their effects than the synthetic product.

NORWEGIAN COD LIVER OIL
WORLD-FAMOUS FOR ITS HIGH QUALITY

FABRITIUS, OSLO

FOR
HALIBUT OIL & PREPARATIONS

WRITE
LOFTHOUSE & SALTMER LTD. HULL.

ENGLISH DRIED MILK

Enquiries are solicited for the following :—

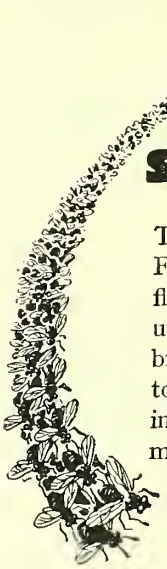
Full Cream "Dorsella" Dried Milk
Half Cream
Separated "Paragon"
Casumen, Soluble Milk Proteid
Sweet Whey, Crystals or Powder
Kencream for Puppies
Unita (Dorsella and Casumen)
Dried Buttermilk

SUPPLIED IN BULK, TINS OR CARTONS

Quotations and samples on request

PRIDEAUX'S, LTD.
MOTCOMBE, SHAFTESBURY, DORSET
'Phone No.: Shaftesbury 4

Flies in flight means sales in sight



Turn flies into profit. Stock Wasp Flyband—the quickest, most hygienic fly-killer on the market. It takes up no room on your shelves, but it brings in regular and satisfied customers. And Wasp Flyband lasts indefinitely. Get ready for the demand now. Place your order to-day.

WASP FLYBAND

Manufactured by

F. W. Hampshire & Co. Ltd., Sunnydale, Derby

GARDINER

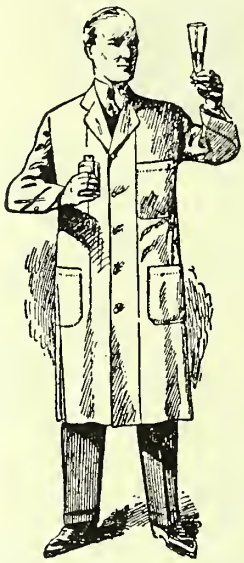
& CO. (*The Scotch House*), **LTD.**

1, 3, 5 Commercial Road, LONDON, E.1

2 mins. from ***ALDGATE,*** *1 min. from* ***ALDGATE EAST STNS.***

'Phone: BISHOPSGATE 6751

Overalls made from most reliable materials.
New Price List on application



JACKETS

White Drill ... 4/6, 5/11, 7/11
Khaki 8/6, 10/6
Black Poplin 12/6
Grey 8/6

LONG COATS

White Drill
5/11, 7/6, 9/6, 11/6, 12/6
Khaki Drill
5/11, 6/11, 8/6, 9/6, 11/6, 13/6
Grey 7/6, 9/6, 11/6
Black 14/6

DENTISTS' COATS

Stand Collar. Button on Shoulder
White Drill ... 12/6, 14/6, 16/6

SURGEONS' "OPERATING" COATS

White 12/6, 14/6

Women's Coat Overalls, with Belt, White Drill 8/11, 10/6, 12/6

Women's Crossover Overalls, with Belt, White Drill 5/11, 7/11, 10/6

Send chest measure and height.
Special attention to post orders.
Special prices for large quantities.
If no account goods sent C.O.D. (or on approved references).

Hours 9–7. Saturdays 8 o'clock. Thursdays 1 o'clock.

YOU MAY WANT TO

Buy a Business, Sell a Business, Secure an Agency, Engage an Assistant, Procure a Situation, or Sell Odd Lots of Chemists' Requisites

If so, you can do it quickly and satisfactorily by an advertisement in

THE CHEMIST & DRUGGIST SUPPLEMENT

THIS IS THE TARIFF:

Businesses Wanted and for Disposal, Premises To Let and For Sale, Premises Wanted, Partnerships, Goods for Sale, and Agencies: 6/- for **50** words; every additional **10** words or less, **6d.**

SITUATIONS OPEN: 6/- for **40** words; every additional **10** words or less, **6d.**

SITUATIONS WANTED: 2/- for **18** words; every additional **10** words or less, **6d.**

Legal Notices, Tenders, Auctions, and all specially spaced announcements: **1/3** per nonpareil line (12 lines = 1 inch single column).

Miscellaneous (Wholesalers') Section, for odd and second-hand lots: **10/-** for **60** words; **1/-** for every additional **10** words or less.

EXCHANGE COLUMN (for Retailers, etc.): **Twopence** per word, minimum **2/-**

BOX NUMBERS

In each case replies may be addressed to a registered number or nom-de-plume, c/o this office, **at a charge of 1/- extra** for each advertisement. Replies are cleared every day.

Address all communications to

THE PUBLISHER,

THE CHEMIST & DRUGGIST

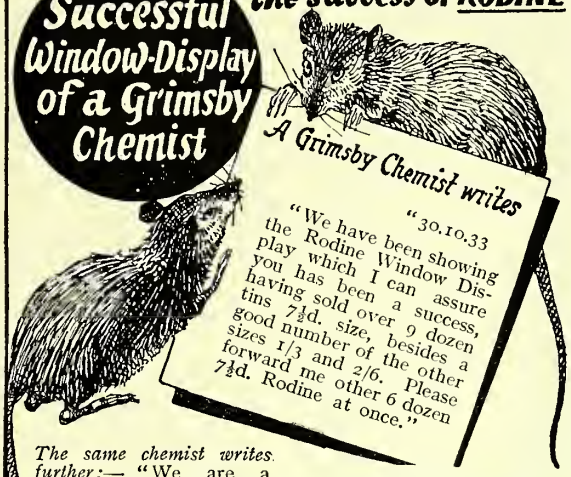
28 Essex St., Strand, London, W.C.2

Telegrams: "Chemicus, Estrand, London" (2 words)

Telephone: Central 6565 (8 lines)

Read this proof of the success of RODINE

Successful Window-Display of a Grimsby Chemist



The same chemist writes further:— "We are a thickly populated district near Docks, where are many rats. One customer bought a 7½d. tin of Rodine and found 15 dead rats in her house. A boy took them to the destructor and received 2/6."

RODINE
KILLS RATS & MICE

Retails in Tins at **7½d., 1/3, 2/6** and **5/-**

Sole Manufacturers:
Thomas Harley Ltd. - - - - Rodine Works, Perth, Scotland

ROBERTS' PATENT
"LEO" VACUUM FILLER

for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

Clean and Rapid
No Over Filling
Broken Bottles Rejected
Easy to Clean
Self Rinsing

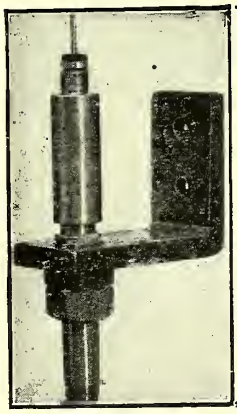
WRITE FOR PARTICULARS

Roberts' Patent Filling Machine Co.
T. ROBERTS, Proprietor,
33 Roundcroft Street, Bolton, Lancashire
Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use.
ALL RIGHTS RESERVED

ZULO CARBOY HAMPERS

GLASS CARBOYS
DEMIJOHNS
WINCHESTERS
CARBOY TILTERS

R. & H. LEIGH & SONS LTD.
BOLTON



SPRINKLER BOTTLES

Automatic Rinsing

Can be connected to the town's water supply by metal or india rubber hose pipe.

By merely passing the mouth of the bottle over the jet and pressing the bottle downwards water is automatically sprayed into the bottle. The water completely drains away from the bottle as it is withdrawn.

Further particulars may be obtained from the makers:—

The THOMAS HILL Engineering Co. (HULL), Ltd.
9 PARK LANE, STEPNEY, HULL

Follow Smith's example and send a postcard for lists and money back offer. British.

A WORRY-FREE HOLIDAY

is guaranteed if you leave a Gledhill Till in your shop to safeguard your interests. Leave the shop with a tranquil mind—the Gledhill will keep a check on every transaction till you return.

BRITISH THROUGHOUT.

G.H.GLEDHILL AND SONS LIMITED
16 TRINITY WORKS HALIFAX

SELL BRITISH!

HARROGATE SPA SPARKLING TABLE WATER

Bottled and Aerated for the Corporation of Harrogate from one of Harrogate's 88 Springs by CAMWAL LTD.

AQUAPERIA The British Medicinal Aperient Water
Bottled by CAMWAL LTD.

CAMWAL Ltd. *Factories at:* London, Manchester, Birmingham Bristol, Harrogate.

WEST END OFFICES: 123 Pall Mall, S.W.1

IT'S IMPOSSIBLE TO IMPROVE ON THE BEST

MORFI

WHY BUY CHEAP UNBRANDED AND UNRELIABLE PREVENTATIVES WHEN MORFI SHOWS YOU OVER 300% PROFIT?

You can recommend MORFI with confidence — recent tests made by the medical Profession have proved MORFI to be the most reliable preventative on the market.

All MORFI Products are subject to strictest tests and made by a firm with over 20 years' experience — Fromms Act Rubber Works Ltd., the largest works of their kind in the world. They are **Hot Vulcanised and will keep fresh for three years in any climate.**

Recommended by Medical men and
Supplied only through Chemists & Druggists

Morfi Transp. 27/- per gross
Morfi Ivory 24/- ,, ,,

HERBERT FROMM
ALDWYCH HOUSE, LONDON, W.C.2
Telephone: HOLBORN 4870

WHY NOT TEST

THE SUPERIORITY AND UNIFORMITY

of

MONSANTO

CHEMICALS OF QUALITY

A sound basis for any product

We shall be pleased to quote and send samples on request

ASPIRIN	VANILLIN	CRESOLS
METHYL SALICYLATE	SALICYLIC ACID	CRESYLIC ACIDS
PHENACETIN	SODIUM SALICYLATE	DISINFECTANTS
PHENOLPHTHALEIN	PHENOL	LYSOL

Etc., etc.

MONSANTO CHEMICAL WORKS LTD

VICTORIA STATION HOUSE, VICTORIA STREET, LONDON, S.W.1

Works: RUABON and SUNDERLAND

Telephone: *VICTORIA 1535.*

Specialists in the manufacture of Pills and Tablets

ARTHUR H. COX & CO. LTD.
MANUFACTURING CHEMISTS
BRIGHTON

Printed in Great Britain for the Proprietors by EYRE AND SPOTTISWOODE LIMITED, His Majesty's Printers, East Harding Street, London, E.C.4, and Published by the Proprietors, MORGAN BROTHERS (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.—*Aug.* 4, 1934. [1½]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

AUGUST 4, 1934

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—**6/-** for **50** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

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EXCHANGE COLUMN (for Retailers, etc.)—**Twopence** per word, minimum **2/-**. (Box No., **1/-** extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (8 *lines*). *Telegrams: "Chemicus, Estrand, London."*

CLOSING FOR PRESS.

All advertisements intended for insertion in this Supplement must reach us not later than **FIRST POST THURSDAY MORNING**

ORRIDGE & CO. 56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone No.: CITY 2283*

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—MIDDLESEX (MODERN SUBURB).—Quick Cash Retail Business in excellent position, with Post Office attached; increasing turnover, last year being about £2,850; this year shows further increase; modern flat over; long lease; reasonable rent; open to offer.

2.—FOREST GATE (NEAR).—Middle-class Business with Kodak Agency and Panel; in present hands many years; returns exceed £1,550 per annum; certified accounts; very nice modern living accommodation; reasonable purchase price; vendor buying a business in the Midlands.

3.—PARSONS GREEN (Death Vacancy).—Good-class Business; much neglected owing to late proprietor's ill-health; excellent living accommodation with three bedrooms; low rental; price £350.

4.—MIDDLESEX (NEW SUBURB).—Newly-established Business; returns over £30 per week now; increasing rapidly; management difficulties cause of sale; price £1,100 or near offer.

5.—KENTON (NEAR).—Middle-class Retail Business with Photographic and Panel Dispensing; net profit £500 per annum; accountant's figures; stock and fixtures worth £625; price £1,025 or near offer.

6.—S.E. LONDON.—Corner Shop, occupying splendid position on main road; turnover over £1,350 per annum; gross profit over £600; net rent £10 per annum, plus rates; price £700 or near offer; lady owner contemplating retirement.

7.—DAGENHAM (NEAR).—Middle- and Working-class Business with good sale for own Proprietaries; turnover under management exceeds £2,500 per annum; gross profit £885; plenty of accommodation; rent £80 per annum; long lease; price about £1,250; death vacancy.

8.—LONDON, S.W. (MIDDLE-CLASS SUBURB).—Middle-class Retail Business with excellent Panel; established about 35 years; returns £1,550; excellent profits; comfortable living accommodation; rent £78 per annum; price £1,100.

9.—CITY BUSINESS (NEAR MARK LANE).—Quick Cash Retail Business, returning between £45 and £50 per week; mahogany fixtures; very good stock; price £1,650 or near offer.

10.—COULSDON (NEAR).—Good-class Retail Business with Kodak Agency; returns £30 per week, increasing; double-fronted shop, beautifully fitted and fully stocked; price £1,000.

11.—KENT COAST (Death Vacancy).—Much neglected Business for sale, owing to sudden death of proprietor; returns approach £1,000 per annum at good profits; very nice living accommodation; stock and fixtures worth £300; property could be purchased or leased at £70 per annum; price, an agreed premium plus valuation.

12.—DORKING (NEAR).—Good-class Family Retail Business in excellent position; in present hands 25 years; net profit 1933, £426; scope for increase under modern supervision; stock and fixtures worth between £600 and £700; excellent living accommodation with garage; price £250 plus valuation of stock and fixtures.

13.—MIDLAND CITY.—Good-class Business situate in vastly extending area; rent £1 2s. 6d. per week; sublet 15s. per week; price £350.

14.—SUNDERLAND (NEAR).—Good-class Drug Store with Wine Licence, net profit £700 per annum; accountant's figures; price for quick sale, £1,200.

15.—SURREY.—Good-class old-established Business; returns £3,600 with scope for very extensive increase; long lease; house; sudden illness cause of sale; low purchase price.

16.—SOMERSET (NEAR TAUNTON).—Middle-class Business with usual Agencies; net profit £280; very small reutal; long lease; lowest price £800.

17.—NORTH DEVON.—Cash Retail Business with good Prescribing connection; returns exceed £2,200; net profit £563; living accommodation; property can be purchased or leased; price £600 plus stock at valuation.

18.—SOUTHEND (NEAR).—Drug Store situate in centre of shopping parade; 2,000 houses in locality costing about £1,000 each; district still growing; returns, present rate, £30 per week; double-fronted shop; stock and fixtures worth £500; beautiful house with three bedrooms and bathroom, very nicely decorated; premises were built to vendor's own design; the property can be purchased or a lease will be granted at a reasonable rental; price of business £650 or near offer.

19.—BIRMINGHAM (NEAR).—Main road Cash Retail Business; in present hands 30 years; turnover, very much neglected, £857 last year; premises are situate on the same parade as many leading multiple stores; further details on application.

20.—CORNISH RIVEIRA.—Good-class Business, making a net profit of £550 to £600 per annum; small Optical connection, price £1,850 or near offer.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

Ernest J. George & Co.
Bank Chambers, 329, High Holborn, London, W.C.1.
Telephone Nos. Holborn 1167 & 1278. (2 lines).
Tudor House, Walsall, Telephone, Walsall 3774.
Chemists Valuers & Transfer Agents.

(C1) WEST COUNTRY.—Old-established pharmacy with side-lines; returns approximately £6,500 per annum; net profit about £1,250; owner retiring.

(C2) WEST END.—Attractive lock-up pharmacy, situated in busy main thoroughfare; net profit for last financial year upwards of £1,000; price £2,500 all-at.

(C3) SOUTH LONDON SUBURB.—Mixed business, with wine licence; turnover upwards of £5,000 per annum; gross profit about 33⅓ per cent. on returns; rent £350, plus rates; price £2,100, including stock, £1,000.

(C4) LONDON, N. (OUTER SUBURB).—Attractive modern pharmacy, with living accommodation, situated in good-class residential district; turnover £1,800–£2,000 per annum; property also available; well recommended.

(C5) STAFFS.—Old-established business for disposal owing to death circumstances; turnover approximately £1,850 per annum; extensive living accommodation, with large garden; reasonable overheads and purchase price.

(C6) DERBYSHIRE.—Attractive lock-up pharmacy, situated in leading position of small town; turnover approximately £45 per week, and steadily increasing; reasonable rental aud purchase price.

(C7) LANCS.—Lock-up pharmacy with abundant scope for extensive development, situated in popular seaside resort (not Blackpool); turnover approximately £1,550 per annum; price by arrangement; excellent opportunity.

(C8) MIDDLESEX.—Progressive modern pharmacy, with good living accommodation; turnover approximately £1,800 per annum; rent £135; reasonable purchase price.

(C9) BIRMINGHAM.—Attractive modern pharmacy, situated in good-class residential area; turnover approximately £1,800 per annum; excellent living accommodation, with garden and garage; reasonable rental, and purchase price.

(C10) HIGHBURY (NEAR).—Pharmacy and optical business, situated in populous area; turnover approximately £1,300 per annum; net profit £330; good scope for further increase; living accommodation; price £900 or on valuation terms.

IMPORTANT ANNOUNCEMENT

A number of businesses, in all areas, are required immediately, by a Limited Company, with substantial available capital. Three years' certified accounts and Balance Sheets are essential, and subject to satisfactory figures being forthcoming, preliminary negotiations can be entered into without delay. Chemists for any reason desirous of selling, are invited to communicate in strict confidence for full details of the scheme, and introductions can be arranged immediately. Complete confidence will be observed. Approximately forty businesses are required. Please address all communications in this matter to the London Office of

Ernest J. George & Co., as above.

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—SUSSEX.—Good-class Country Retail; pleasantly situated; returns last year £1,882; audited books; large shop, with excellent house and garden; well stocked; scope for increase; price for quick sale £1,050, including book debts.

2.—SURREY.—Well-established Light Family Retail; no Panel; returns average £1,124; good profits; rent £32 10s., on lease; small house attached; double-fronted shop; well fitted and stocked; owner retiring; price £750.

3.—LIVERPOOL.—Old-established Cash Retail, in thickly populated suburb; returns £730; N.H.I. £180; rent £78 clear; good house; same hands 20 years; price £550.

4.—BOURNEMOUTH.—Middle-class Business, in growing district; returns average £15 weekly; attractive modern corner pharmacy; rent £65 clear; stock worth £400; price £550, or offer.

5.—SUSSEX COAST.—Nice-class Dispensing Business, in prominent and improving position; non-season trade; returns over £2,000; good profits; attractive pharmacy; fully stocked; price £1,750; personally inspected and recommended.

6.—LONDON.—Wholesale Photographic, D. & P. Business, with profitable winter side-line; turnover under manager £2,700; plenty of scope; excellent premises; latest up-to-date plant; price £1,350, about value of plant and stock; references required.

7.—NORTH LONDON.—Middle-class Suburban Business, with good N.H.I.; returns average over £2,000, under manager; gross profits one-third; audited figures; rent £75; lease granted; good house; price £1,150, or near offer.

8.—LONDON, E.C.1.—Light Cash Retail, with good N.H.I.; main-road position; returns over £900; net profit £243; rent £75; new lease granted; owner has bought a country business and will accept £400 or near offer for quick sale.

9.—MIDDLESEX (few miles out).—Light Family Retail and Dispensing; returning nearly £2,000 under manager; scope for increase; handsome modern pharmacy, with nice flat over; price £1,200; personally recommended.

10.—BUCKS.—Light Retail Dispensing and Photo; under manager; returns average £1,320; net profit £320; corner shop, with house over; low rent; on lease; price £650.

BUSINESSES WANTED

Lowest Terms for Stocktaking

Estab. 1870. Telephone: Terminus 3574.

THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED

(Business Agency, Transfer & Valuation Department)

KIMBERLEY HOUSE, Holborn Viaduct, LONDON, E.C.1 *and at* EXCHANGE CHAMBERS, 2 Bixteth St., LIVERPOOL.

PARKIN S. BOOTH, Valuer. *Tels.: CITY 3691* (4 lines).

VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.

Enquiries Invited.

S. F. CLARK, F.N.A.A. 'Phone: Prospect 3366

CHEMISTS' VALUER & TRANSFER AGENT

34 Marksbury Avenue, Richmond, Surrey

Unique opening for pharmacist in ESSEX. A rising population (now 4,000) unprovided for!!!

Businesses also registered to suit all buyers.

"Personal and confidential service."

THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped 1d. the Chemist and Druggist Supplement will be forwarded without cost.

LOOSE STAMPS WILL NOT BE ACCEPTED

If wrappers bear a halfpenny stamp only, postal delivery may be delayed.

READ THIS ! ! !

A PRIVATE LIMITED COMPANY

(Banker's Reference upon Application)

(CAPITAL £100,000) IS DESIROUS OF BUYING FORTHWITH SEVERAL RETAIL CHEMISTS' BUSINESSES IN ALL PARTS OF THE COUNTRY. AUDITED ACCOUNTS FOR THE PAST THREE YEARS MUST BE AVAILABLE.

GOOD PRICES WILL BE PAID AND INTENDING VENDORS ARE ADVISED TO TAKE FULL ADVANTAGE OF THIS OPPORTUNITY.

Communicate in Confidence to—

ORRIDGE & CO.

56 LUDGATE HILL, E.C. 4

Telephone: CITY 2283

ESTABLISHED 1846

BUSINESSES FOR DISPOSAL.

BOURNEMOUTH.—Opportunity not to be missed. A well-appointed Chemist's Shop, with good living accommodation, in growing district; no opposition; an excellent business could be worked up here; price £1,250 freehold; small deposit and balance 33s. per week. Full particulars of F. Axford, 215 Pine Road E., Bournemouth.

LAKE DISTRICT (Keswick).—Chemist's Business for Disposal owing to ill-health; certified accounts for the last 10 years; immediate disposal for cash. 117/8, Office of this Paper.

LONDON, W.—Busy Main-road, Double-fronted, Large, Well-fitted Shop; registered Photo; neglected through illness; exceptional opportunity for really smart, up-to-date Young Man or Lady thoroughly conversant with the Ladies' Toilet side; long lease; would accept value of stock and fixtures, about £500, for quick sale. 118/47, Office of this Paper.

LONDON, WEST.—Old-established Business for Sale outright, or Partnership would be considered, particularly with Chemist having Optical Degree; large connection D. & P.; plant on premises; shop occupies central position of industrial suburb; P.O. and market adjoining. Apply 118/11, Office of this Paper.

NEWPORT, MON.—Old-established Retail and Family Business for immediate Disposal; held on lease, 8 years to run, at £98 per annum, plus rates and taxes; good Photographic connection and extensive D. & P. business, with adequate plant; Kodak Agency; business carries good stock and is well fitted; turnover approx. £45 per week. Fullest particulars, Parkin S. Booth, The Association of Manufacturing Chemists, Ltd., Kimberley House, Holborn Viaduct, E.C.1.

SUDBURY, MIDDLESEX (near).—Cash Retail Business, with increasing turnover, for Sale; returns present rate approximately £60 weekly; the shop occupies a splendid position, and there is a modern flat over; long lease; reasonable rent; offers invited. Apply 246/836, Office of this Paper.

SURREY.—Smart Lock-up Pharmacy; rapidly growing district; open 8 months; turnover £515; net profit £63; low rent; long lease; Selo, Rexall; excellent prospects for winter; owner taking partnership in larger business; for quick sale accept £400 or nearest; suit beginner. 117/18, Office of this Paper.

S.W.—Best position in main thoroughfare at present; purely Dispensing, Prescribing, Good-class Fancy; small Dental connection; no N.H.I., Photographic, &c.; excellent opportunity for much increase; well fitted with ample and every convenience; lock-up; 11 years' unexpired easy lease; non-repairing; minimum overhead expenses; reasonable rent; minute overhead tube, bus, etc. 104/46, Office of this Paper.

YORKS.—Established over 100 years; best position; busy industrial town; been neglected, but now improving; smart fittings; moderate rent; lease; well stocked; valuable proprietary line; principals only. 118/18, Office of this Paper.

A PROGRESSIVE Tyneside Town: very smart and expensively fitted Chemist's Business; earning good increasing income; very large stock included; full value inventory £700. Write Sleightholme, South Shields.

CHEMIST Business for Disposal in rapidly growing Wirral District; lock-up shop; principals only. Reply, giving banker's reference, to Box C 940, Lee & Nightingale, Liverpool.

£260.—KENT COAST; lock-up shop; rent £35; Kodak and Selo; turnover £900; splendid opportunity; selling owing to lack of capital; 15 years' lease. 118/24, Office of this Paper.

£160 OR REASONABLE OFFER.—Drug Stores in S.W. district; near station; good opening for Qualified man; N.H.I. badly wanted; lock-up; rent 15s. week, inclusive; stock worth money asked; been badly neglected. 118/46, Office of this Paper.

BUSINESSES WANTED.

PRIVATE Chemist wishes to purchase business returning £600 per annum net profit, or over; fully staffed; no Optics; N.E. England or Manchester area preferred, but not essential. 117/7, Office of this Paper.

REQUIRED immediately by Limited Company, with substantial capital for early investment, a large number of Businesses, where audited accounts for the past three years are available; good prices will be paid for suitable propositions and negotiations can be entered into without delay, subject to satisfactory figures being forthcoming. Please write in the first place, under guaranteed assurance of confidence, to Ernest J. George & Co., 329 High Holborn, London, W.C.1. Telephone No.: Holborn 1167.

Rare Chance for a Chemist

Extensive operations in a Bradford suburb have created the necessity for a shopping centre which is now complete with the exception of a Chemist's business. A shop remains to be erected for this business with house attached, and presents a rare opportunity for a man of enterprise to build up a sound business at a spot where there is no competition for a radius of two miles.

Full particulars from

THOS. FEATHER, Builder & Contractor,
Highfield Road, Six Lane Ends, Bradford

SOUND Business required by private Chemist; turnover £2,000-£3,000, with good profits; auditors' figures required; South-west country necessary; inland town preferred; would correspond with elderly gentleman contemplating retirement. Replies treated with strictest confidence. 116/6, Office of this Paper.

WANTED to invest in the Purchase of a Chemical Works, £50,000 and upwards; must be producing chemicals of a definite marketable character. Particulars in confidence to Leopold Farmer & Sons, Surveyors, 46 Gresham Street, E.C.

PREMISES TO LET.

HAMMERSMITH TUBE (3 minutes).—Spacious Shop and Basement in main-road position; particularly suitable for Chemist; central heating and constant hot water available; rent £215 per annum. Sole Agents: Hillier, Parker, May & Rowden, 27 Maddox Street, W.1. Telephone: Mayfair 7666.

MARYLEBONE CIRCUS.—Particularly fine Half Shop and large Mezzanine Floor to let at low commencing rent. Sole Agents, Hillier, Parker, May & Rowden, 27 Maddox Street, W.1. Mayfair 7666.

SMART New Shops, situate finest business positions in West Yorkshire towns; population 20,000 to 50,000; very moderate rents; easy assessments. Apply Chandler, Park Avenue, Castleford.

TO BE LET.—Shop on a New Estate near London, with ante-room and usual offices; rental 28s. per week, inclusive; suitable and a good opening for a Chemist. Apply for full particulars, W. Wicker, F.A.L.P.A., 29 Cliffe Road, Strood, Kent. 'Phone: Strood 7408.

PREMISES FOR SALE.

MANCHESTER Suburb.—For sale, modern double-fronted shop and house; 3 beds, bath and electric light; opening for Chemist in a growing district; price £550 or reasonable deposit and mortgage for balance. Apply to Jackson, 22 Beech Grove, Fallowfield, Manchester, 14.

LARGE Corner Shop, four windows; situated at bus and tram fare stage; next door to cinema; at present open as florists, but was originally fitted out as chemists; six-roomed house over; bargain, £1,200, including fittings, which cost £450. Apply 33 St. Mary's Road, Manningham, Bradford.

APARTMENTS.

WHEN YOU COME TO LONDON STAY AT THE HAMPDEN RESIDENTIAL CLUB.

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 bedrooms. 12s. 6d. to 25s. per week, including baths, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Eustou 2244/5.

AGENCIES.

ROUMANIA.—Commission Merchant very well known in the whole country, with staff of Represeutatives in the new districts and in the greater towns of the country, is looking for Agencies of important English firms. Address your offers to Joseph Fonstein and Brothers, Bucarest I, Cal. Mosilor 25, Roumania.

AGENT required to call on Chemists and Stores with new Soluble, Nationally-advertised Sanitary Towels; give full particulars; ouly first-class man with excellent connection need apply. Splendor Company, 5 Beastmarket Hill, Nottingham.

FIRM with large Selling Organisation has opening for Agency for Medicated and Chemist's Sundries. Write in first instance, giving full particulars, to 246/832, Office of this Paper.

PARTNERSHIPS.

WANTED.—Chemist and Optician with £1,000 to £1,500 capital; good opportunity for keen man; small company with several shops. Apply 246/833, Office of this Paper.

APPRENTICES.

LADY CHEMISTS, Ltd., Daws Lane, Mill Hill, N.W., will shortly be having a vacancy for Young Lady Apprentice; no premium; time allowed for classes.

YOUNG Lady requires Apprenticeship in S.W. London; has passed Preliminary Scientific Examination. Write Miss H. Davey, 17 Chesilton Road, S.W.6.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Locum, Qualified, for 2 weeks between August 6-25; single-handed shop; must be reliable and energetic. Age, salary and full particulars to Maxwell, 624 Warwick Road, Tyseley.

BLACKPOOL.—Qualified required; permanency; male; age 25 to 30 preferred. Particulars age, &c., to Heatons (Chemists), Ltd., 52 Waterloo Road, Blackpool.

BRIGHTON.—Qualified Lady Assistant (25 to 30); good Counter and Dispensing experience; capable Window-dresser and knowledge of Photography. Apply, with full particulars and salary required, to "Pharmico," 118/14, Office of this Paper.

HALESWORTH, SUFFOLK.—Mr. Keeble, Agricultural and Dispensing Chemist, requires Temporary Assistant or Locum, Qualified or Unqualified, for two or three weeks from September 4 during permanent assistant's holidays; board and live on premises (comfortable quarters); satisfactory references and country experience essential.

HERTFORDSHIRE COUNTY COUNCIL.—The Watford Guardians Committee of the Hertfordshire County Council desire the services of a Fully Qualified Dispenser (part-time) at their Institution, Fhrodells, 60 Vicarage Road, Watford; salary 30s. per week. Full details of the appointment and application form, which should be returned as early as possible, can be obtained from me on receipt of a stamped addressed foolscap envelope at 7 Church Street, Watford. F. WILSON. August 2, 1934.

LONDON, N. (near Wood Green).—Evening Qualified Assistant for Dispensing and occasional Counter; Thursday and Friday evenings from 6 till 8, Saturday evening from 6 till 9; age, salary and references. 118/53, Office of this Paper.

LONDON, W.1.—Qualified Assistant, Lady or Gent; smart appearance; experienced Counter and Window-dressing; state usual particulars, salary required, and when free. 118/15, Office of this Paper.

LONDON, W.C.1.—Locum; fortnight August 12 to 25; hours 9 a.m. to 1 p.m., 5 to 8.30 p.m.; good Dispenser essential; £3 weekly. Apply mornings only or letter, Eckington, 75 Hornsey Rise, N.19.

LONDON, W.2.—Wanted, a Smart Junior Assistant (Male) for a High-class Dispensing Business; 3 Assistants kept. 118/35, Office of this Paper.

LONDON, W.12.—August 27, Branch Manager, with living accommodation; smart commanding shop; must be up-to-date; Window-dresser, business builder; salary and commission on turnover; personal interview; hours 9-8; Sundays (winter only) 6-8. Evans, 1 Blakesley Avenue, W.5.

PORTSMOUTH.—Young Qualified Manager required at once for small branch, under supervision of principal; progressive salary; good references essential. Full particulars to Donaldson, 122 Queen Street, Portsmouth.

SOUTH FOR SUNSHINE.—Timothy Whites are shortly opening Several New Branches in the South of England and will require First-class Managers of sound ability; previous managerial experience essential; good salaries, permanencies and free removal available to the right men. Apply, giving full particulars of age, experience, salary required, to Staff Manager, Timothy Whites, Chemists, Portsmouth.

SURREY.—Qualified Assistant required (Male); must he capable Dispenser, also good Counterman and Window-dresser. Give full particulars in first letter (photo if possible). 246/837, Office of this Paper.

WEST-END Experience is offered a Young Qualified Chemist; small salary, with commission; time for study; suitable for a man wanting experience before buying his own business; might suit elderly man. P.C.B. 129/11, Office of this Paper.

A SMART Junior or Improver required by a live Chemist; few miles from Birkenhead. Particulars and wages required to 118/30, Office of this Paper.

ASSISTANT (Unqualified) for Drug Department in Departmental Store; close 6 p.m.; no Sunday duties. Burgis & Colbourne, Ltd., Bedford Stores, Leamington Spa.

AT ONCE.—Young Qualified Chemist as Manager; good Counterman, Dispenser and Window-dresser, knowledge Photography; Christian appreciated; give full particulars and salary expected; Kent, 15 miles London. 118/20, Office of this Paper.

CHEMIST and Opticiau wanted to manage branch shop; must be keen, young aud single. Send photo, references and salary required to Jones, 30 Mardol, Shrewsbury.

LADY Dispenser (M.P.S. or Apoth. Hall) required for Lancs town; 48-hour week. Details, with salary required, to "F. C. S.," 246/834, Office of this Paper.

LOCUM, Qualified, for four weeks from August 13 or thereabouts; S.E. London district. Usual particulars to 118/54, Office of this Paper.

LOCUM, Qualified, from August 13 to 25 inclusive; assistant kept; age, references and salary required. Pirie, Chemist, 4 Grand Parade, Harringay, London, N.4.

LOCUM, Qualified, Lady or Gentleman; any 2 weeks between August 13-September 10 inclusive; for Plumstead, S.E.2; live in if required. Grater, 2 Oldfield Road, Bexleyheath, Kent. Phone: Woolwich 0636.

LOCUM, Qualified, required August 18 to 25, both dates inclusive. State terms and reference to J. F. Taylor, Chemist, Showell Circus, Wolverhampton.

LOCUM; one week, August 13-18 or 20-25; also Qualified in Optics; recently Qualified would suit. Hall, Chemist, Reigate.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

LOCUM, Unqualified, wanted for September 3 to 15. Give full particulars, age, salary, references, etc., to J. F. Edden, Chemist, Station Road, Petts Wood, near Orpington, Kent.

MANAGER required shortly for Good-class Retail, Dispensing and Photographic Business; some Optical knowledge an advantage; residential country district in Metroland; good living accommodation over shop; garden; manager to take financial interest in the business with view to gradual succession preferred. 118/9, Office of this Paper.

MANAGERS.—Two Qualified Managers wanted immediately; multiple store experience preferred; state full as possible particulars in first letter; permanency and good prospects for men capable of building and increasing business. Apply 117/5, Office of this Paper.

MESSRS. J. R. CAVE (1922), LTD., require Male Qualified Assistant; must be capable Dispenser and conversant with the requirements of medical men; please apply in own handwriting, giving full particulars in first letter, enclosing photograph if possible; letters not answered within three days respectfully declined. Address, 52 Nevill Street, Southport.

QUALIFIED Assistant, male (young) for South London district; must be a quick and accurate Dispeuser for heavy N.H.I.; to commence August 11; salary £4 per week. Apply Foster, 8 Selhurst Road, South Norwood, S.E.25.

QUALIFIED Assistant required; Manchester district; competent in all branches. Full particulars of experience, salary, &c., 118/55, Office of this Paper.

QUALIFIED Assistant, young, male, for good-class Dispensing and Retail. Full particulars to the Manager, E. Bing & Son (Savory & Moore, Ltd.), Chemists, Canterbury.

QUALIFIED Lady required for small East London business; chiefly for N.H.I. Dispensing. Apply, giving full particulars of age, experience and salary required, to 119/2, Office of this Paper.

QUALIFIED Locum for two weeks, August 13-25; also for two weeks, August 27-September 8. Co-operative Society Drug Department, Cannock, Staffs.

QUALIFIED male Assistant wanted in a market town, North Yorkshire, early in September; permanency; quick and accurate Dispenser; one used to D. & P. work preferred. Apply, stating age, salary required and references, to 118/1, Office of this Paper.

QUALIFIED Manager required in High-class Dispensing Business; permanency; state age, height, experience, salary required, and enclose photo and copy of references if possible. Cousins, Thomas & Sons, 63 Banbury Road, Oxford.

REQUIRED shortly for a High-class Business, West of England, an experienced Assistant, preferably with Optical qualification; permanency and good living accommodation offered to right man; interview by arrangement; please give full particulars in first letter: experience, salary, &c. 117/1, Office of this Paper.

SMART Qualified Lady required for North Staffs district; knowledge of Toilets essential. Full particulars experience, salary required, in first letter to 117/6, Office of this Paper.

STRONG Young Man required for Warehouse and Stockkeeping, having some knowledge of trade. Apply by letter, stating salary required, Leach & Son, Chemists, Macclesfield.

TWO Unqualified Assistants (Male) required; young; experienced in all branches of trade; one for Drug Counter; one for Optical and Photographic Counter. Apply, stating age, experience and salary required, to reach the Secretary, Lincoln Co-operative Society, Ltd., Free School Lane, Lincoln, on August 8.

UNQUALIFIED Assistant (male, 20-24) required at once for new branch; Dispensing, Counter and Window Display. Write or call to-day (Friday) or Sunday morning. Golden, 59 Hillside, Stonebridge Park, N.W.10.

UNQUALIFIED Assistant (Male) wanted for branch; under 30 preferred; must be an accurate Dispenser and accustomed to quick Counter trade. Apply, stating age, experience, salary required, to Head Office, Wm. Fox & Sons, Ltd., 109, 111, 113 Bethnal Green Road, London, E.2 (10 minutes from Liverpool Street).

UNQUALIFIED Assistant, Young Lady preferred, with Counter and Dispensing experience, for working-class district. Apply, stating usual particulars and salary required, to J. B. Hewitt, 493 Seven Sisters Road, S. Tottenham, N.15.

WANTED.—A Qualified Chemist; capable Dispenser, Window-dresser and keen Salesman; must be thoroughly honest and trustworthy. Write, stating age, salary, experience, when able to commence, to Chemist, 77 High Street, London, N.W.1.

WANTED immediately, Senior Qualified male Assistant for high-class Photographic and Dispensing business (Eastern Counties); experience and references essential; progressive post to right man; state full particulars, with photo, first letter, 118/31, Office of this Paper.

WANTED immediately, Young Qualified Assistant; South Devon country town; permanency. Apply, stating wages required, &c., to Rihll, Moretonhampstead.

WANTED.—Lady for Toilet Department South Yorkshire Chemist; applicant must have had training in the use and selling of Cosmetics with high-class experience in Perfumery buying and stock-keeping. Apply, stating height, age, experience and enclosing photo and references, 245/788, Office of this Paper.

WANTED.—Two Qualified Assistants as Managers; must be accustomed to N.H.I. and working-class trade. Also a Young Junior Assistant. Apply Arnett & Co., 327 Ley Street, Ilford, Essex.

WANTED.—Qualified Chemist; middle-class district; (single); willing to invest £200; good interest; security. Please write, stating age, salary required, &c., references, 118/34, Office of this Paper.

WANTED.—Unqualified Junior Assistant of good address. Apply, with particulars, age, height, experience and salary required, J. Holt Green, 4 Victoria Arcade, S.W.1.

WHOLESALE.

REVISION OF JOURNEYS

THOMAS KERFOOT & CO., LTD. invite applications from Representatives experienced in calling upon Chemists in England.

The Garden Laboratories, Vale of Bardsley, Ashton-under-Lyne

A. L. SIMPKIN & CO., LTD., require, immediately, active Owner-Driver, roomy car, residing Taunton-Yeovil district, to distribute their ready selling lines to all chemists and develop existing connection Southampton, Plymouth, Gloucester area; great opportunity for real Salesman. Sales record and references to Barley Sugar Works, Sheffield.

ADVERTISING.—Wholesale Chemists require Qualified Chemist with literary ability, advertising experience and some knowledge of Medicine. Give particulars of experience, salary asked, &c., to 246/831, Office of this Paper.

JOHN RICHARDSON & CO., LTD, Manufacturing Chemists, Leicester, require the services of an experienced Representative in the North of England; preference given to one who possesses some connection; applicants should give full particulars, which will be treated confidentially.

REPRESENTATIVE (not over 35) required), with established connection among Chemists in Warwickshire, Worcestershire and Staffordshire, by old-established Manufacturing Company selling proprietary medicinal lines; remuneration will be salary, commission and expenses. Write, giving full particulars, mentioning names of firms previously represented, to Box 585, c/o C. Mitchell & Co., 1 Snow Hill, London, E.C.1.

REQUIRED.—A first-class Pill Maker and Coater by an old-established London Manufacturing House; only really first-class men need apply. Write, stating experience and salary required, to 246/830, Office of this Paper.

THE British Agents for Graifix-Hygien and Graifix-Transparent Rubber Products require London and Provincial Representatives, with good connection amongst Retail Chemists, to handle the above branded packs as additional lines on liberal commission basis. Apply, with particulars of territory required, to 246/835, Office of this Paper.

TRAVELLERS, first-class men, with good connections, required for Nationally-advertised Proprietary Line; commission basis to commence; excellent prospects. Write, giving full particulars of lines carried and ground covered and references, Box S.C.T., Knights, 53 Chancery Lane, London, W.C.2.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.—QUALIFIED (24), tall; 3 years' excellent City of London experience; also West End and provincial; quick Counterman, Window-dresser and Dispenser; also much Prescribing experience; excellent references. Ivinson, 6 Shawfield Street, S.W.3.

A.—PERMANENT Progressive Post required; West of England preferred, but not essential; 26, married, Qualified, tall and of good address; high-class Dispensing and Counter experiences; disengaged shortly. D. W. Wren, M.P.S., 6 Wharf Road, Bournemouth West.

A QUALIFIED Manager requires position in London or suburbs as Branch Manager; 20 years' experience. Davies, 109 Alexandra Drive, Surbiton, Surrey.

ASSISTANT (21); Part I; tall; thoroughly experienced Retail trade; Photography, Window-dressing, Counter, Dispensing; Lancashire preferred. 118/10, Office of this Paper.

ASSISTANT; 25 years' experience Dispensing, Counter, Photo; single; active; Unqualified. "Aspirin," 61 Fartown Green Road, Fartown, Huddersfield.

ASSISTANT (25); Part I; experienced High-class Family Trade; expert Dispenser. Chemist, 41 Hillcross Avenue, Morden.

ASSISTANT (43), Unqualified; competent Dispenser, Salesman, Photographics, Windows, Veterinary experience; good references; active; locum or permanency preferred; would manage drug Store. Hill, 17 Greenway, Budleigh Salterton.

ASSISTANT, Unqualified (21); five years' experience; Dispensing, Photographics, Counter, Windows; free. Hall, 78 Highfield Drive, South Shields, Durham.

ASSISTANT. Unqualified; highest references; experienced Dispensing, Counter, Photographic, D. & P. and Window-dressing; hard working; locum or permanency. Dixon, 25 Hitchman Road, Leamington Spa.

DISPENSER-BOOKKEEPER-RECEPTIONIST, woman; Hall and First Aid certificates; 10 years' experience; post required immediately; London preferably. 118/49, Office of this Paper.

EXPERIENCED Locum; free now until August 15, also August 20 to September 1, inclusive; London area. Jones, 3 Akenside Road, Hampstead. Hampstead 1506.

FREE AUGUST 7.—Good active, reliable, Qualified (60); permanency preferred; £4 weekly. Chemist, 55 Essex Avenue, Slough.

GENTLEMAN (28), F.S.M.C. (eligible J.C.Q.O.), with excellent Pharmaceutical experience, desires post as Optician, also assisting in Pharmacy; or would introduce Optics; part equipment if necessary. 118/13, Office of this Paper.

IF in need of experienced Qualified Locum who will take a keen interest in the welfare of your business, write Cooper, Rowandene, Ashley Heath, Ringwood, Hants. Free September 10.

JUNIOR (21), Unqualified, tall, capable, desires post; experienced Retail trade; free immediately. Jones, 54 Pinged Hill, Kidwelly, Carms.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LOCUM; general experience; disengaged August 3 to August 11, all September; capable; highest credentials. "Chemist," 32 Myddleton Square, E.C.1.

LOCUM or Permanency; Unqualified (45); Dispensing, Counter, Surgical; excellent references; free August 20. A. B., 2 Walham Grove, Fulham, S.W.6.

LOCUM, Qualified; disengaged September 3-15; thoroughly reliable; London or near. 118/51, Office of this Paper.

LOCUM, Qualified (Male); all-round Retail and Hospital experience; free September 2 onwards; terms moderate; good references. Wallace, "Rougemont," Hilltop Road, Latchford W., Warrington, Lancs.

LOCUM, Qualified; free one week from August 13; any distance; terms moderate. "Reliable," 5 Watersplash Road, Sunbury-on-Thames.

M.P.S. (21), recently Qualified, requires locum or permanent at home (London preferred) or abroad; free end of September. C. Brower, 44 Simonside Terrace, Newcastle-on-Tyne.

OPTICIAN, F.S.M.C., with 6 years' experience in Pharmacy (referred Part II), seeks situation in London or South for few months; tall, capable and energetic; good knowledge of Photography. C. V. Jones, 49 William Street, Ketteriug.

OXFORD ONLY.—Part time, evenings, holidays, Sundays, odd days, week; Doctor's Dispensing. "Dispenser," 1 Highfield Aveuue, Headington, Oxford.

QUALIFIED Assistant or Branch Manager; 5 years' experience Counter, Dispensing and Photographic. A. May, Dalrymple Street, Fraserburgh, Aberdeenshire.

QUALIFIED (21), tall, 5 years' experience high-class Dispensing (8 Assistants kept), Yorkshireman, desires further experience; West London preferred; start immediately. Milnes, 29 High Street, Brighouse, Yorks.

QUALIFIED (27), at present Branch Manager, desires position with Chemist contemplating retirement; view to succession. 118/17, Office of this Paper.

YOUNG Unqualified Assistant, with West End experience, seeks post where hard work and initiative would be appreciated. P.C.B. 129/9, Office of this Paper.

WHOLESALE.

AN Accomplished Medical Interviewer and skilled Propagandist, with wide experience and a unique knowledge of Medical Men, their requirements and susceptibilities, desires re-engagement. "Zealous," 21 Gloucester Place, Brighton.

AS Representative, smart Salesman; tactful and resourceful; Qualified (age 33); at present in own pharmacy; experienced car driver; payment by results desired, but no "commission only" lines considered. 118/16, Office of this Paper.

PH.C. (23) desires engagement with Manufacturing House; would appreciate opportunity to prove ability; remuneration of secondary consideration. 117/13, Office of this Paper.

REPRESENTATIVE (age 30); established connection London and provinces; desires change; twelve years' experience Drugs, Packed Pharmaceuticals; salary, commission, expenses. 118/3, Office of this Paper.

REPRESENTATIVE invites Additional Lines; commencing journey end of August. 117/2, Office of this Paper.

TABLETS AND PILLS.—Charge Hand; long practical experience; desires change, where ability and initiative would be appreciated. 116/1, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

LIMITED COMPANY REGISTRATION.
The Best Services obtainable are those offered by us. Companies Registered, inclusive of Capital Duty, Fee & Deed Stamps, Registration Fee, Supplying Memorandum & Articles of Association (settled by eminent Counsel), and Share Certificates
FROM THE LOW FIGURE OF £10 17s. 6d.
SATISFACTION GUARANTEED. QUALIFIED SERVICES. ADVICE FREE.
THOS. WATTS & WALKER, LTD. (Company Registration Agents, Accountants & Auditors), **Oxford Chambers, 9 Oxford Street, Manchester, 1.** Telephone: Central 6269.

CLEAR OUT OLD STOCKS OF BOTTLES AND JARS FOR PROMPT CASH
ANY QUANTITIES
Post Samples and Full Particulars to:—
W. SPEAKE, 68 Yew Tree Road, WALTON, LIVERPOOL

MISCELLANEOUS.

ALMOND Oil, English Pressed B.P.2; large quantities for sale. 114/3, Office of this Paper.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, &c., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

FOR Chemist's Shop Fittings send to GEORGE COOK, The Working Shopfitter. Drug Fittings, Wall Cases, Serving Counters, Dispensing Screens, All-glass Counters, Counter Drawers. Rough sketches free. Lowest prices. Send your requirements to 27 Macclesfield Street, E.C.1. 'Phone: Clerkenwell 5371.

FOR SALE.—Steam Jacketed Copper Pan with Stirring Gear; fast and loose pulleys. 245/802, Office of this Paper.

FOR SALE.—Triple Granite Roller Mill, with granite rolls 6 x 12 in.; also small Breaking or Kibbling Mill, with rolls 5 x 5 in. 245/803, Office of this Paper.

FOR SALE.—Steam Jacketed Copper Boiling Pan, with draw-off cock; jacket tested to 60 lbs. hydraulic pressure. 245/804, Office of this Paper.

FOR SALE.—Gas-heated Batch Drying Machine, with Gear; fast and loose pulleys. Also Ball Grinding Mill. 245/805, Office of this Paper.

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